GIPE JC130		Page 1 of 62
5 700 2	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
10 FORM PTO-1449	FIRST NAMED INVENTOR Sebbel et al.	
RIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648

			U.S. P/	ATENT DOCUMENTS			
EXAMINER	1	DOCUMENT			1	T	
INITIAL	AA	NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	~						
	AB						
	AC						
	AD	†					
	AE					1	,
MM	AF2	5,143,726	09/01/1992	Thornton et al.			11/20/1989
	AG2	5,580,859	12/03/1996	Felgner et al.			03/18/1994
	AH2	5,935,821	08/10/1999	Chatterjee et al.		+	11/21/1996
	Al2	2004/0059094	03/25/2004	Bachmann et al.			07/18/2003
	AJ2	2004-0076611	04/22/2004	Bachmann et al.			07/14/2003
W	AK2	2004-0076645	04/22/2004	Bachmann et al.			07/18/2003
			FOREIGN	PATENT DOCUMENTS	s		1
EXAMINER		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	CUID CLASS	TOANIOI ATION
INITIAL	+	NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes
	AL		,				No
	AM						Yes No
MM	AN4	WO 99/28478	06/10/1999	WIPO			Yes No
1	AO4	WO 99/57289	11/11/1999	WIPO			Yes No
	AP4	WO 00/50461	08/31/2000	WIPO			Yes
		OTHER (ncluding Aut	hor, Title, Date, Pertine	nt Pages, etc.)	,	
	AR						
		ļ					
MM	AS			rertible element of DNA contr A. 1985 Sep;82(17):5724-57			
	AT	Abraham, S. fimbriae, * J	N., et al., *Glycer Bacteriol. 1992 A	rol-induced unraveling of the Aug;174(15):5145-5148, Ame	tight helical confo	rmation of Esche Microbiology (19	erichia coli type 1 92)
EXAMINER	·	M / A	101	All Consider	DATE	CONSIDERED	2-25-05
EXAMINER: Initia	al if refer	ence considered, whe	ther or not citation	is in conformance with MPEP		rough citation if no	t in conformance

and not considered. Include copy of this form with next communication to Applicant,

PE OF			Page 2 of 62
الله الله الله الله الله الله الله الله	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616	
	FIRST NAMED INVENTOR Sebbel et al.		
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648	

				U.S. F	ATENT DOCUMEN	TS		
EXAMINER INITIAL		DOC	UMENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA					00.00	COB-OLAGO	TILINO DATE
}	AB				_			
	AC							
	AD							
	AE	ļ			 		ļ	
	AF	ļ						
	AG	ļ		·				
		<u> </u>						
	AH							
	Al							
	AJ							
	AK							
		٠,		FOREIGI	N PATENT DOCUM	ENTS		
EXAMINER INITIAL		NUN	CUMENT MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
MM	AL5	EP (385 610 A1	05/09/1990	Europe			Yes No
(7)	AM5	EP (385 610 B1	03/16/1994	Europe			Yes
	AN							No Yes
	AO							No Yes
	AP	 						No Yes
	AP		OTHER (I	l ncluding Aut	hor, Title, Date, Per	rtinent Pages, etc.)	<u> </u>	No
MM	AR	<u>36</u>	Amon, R., et	al "A mimotop	e peptide-based vaccine gy. 2000 Dec;101(4):55	against Schistosoma	mansoni: synthe	sis and per 2000)
	AS Bachmann, M.F., et al., "TRANCE, a tumor necrosis factor family member critical for CD40 ligand-independent T helper cell activation, " J Exp Med. 1999 Apr 5;189(7):1025-1031, The Rockefeller University Press (1999)						igand- ifeller University	
J	AT	36	Bass, S., and Approach, 2 ⁿ	yang, M., "Exp d ed., Creighton	ressing cloned genes in , T.E., ed., IRL Press, O	Escherichia coli, " in F xford, Great Britain, pp	Protein Function: . 29-55 (1997)	A practical
EXAMINER		L	<u> </u>			DATE	CONSIDERED	
EXAMINER: In	itial if refer	ence co	nsidered, wheth	ner or not citation	is in conformance with M	IPEP 609. Draw line thre	ough citation if no	t in conformance
and not conside	red. Inclu	1е сору	of this form with	n next communic	ation to Applicant.			

O P E VC/20		Page 3 of 62
1 5 2004 💆	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
JUL ' BORM PTO-1449	FIRST NAMED INVENTOR Sebbel et al.	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648

			······································	U.S.	PATENT DOCUMEN	NTS		
EXAMINER INITIAL		DOCU	JMENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA							
	AB	<u> </u>						
	AC							
	AD	 						
	AE	 						
	AF							-
	AG	-						
	AH	ļ					_	
	Al	<u> </u>						
		ļ						
	AJ							
	AK							
EXAMINER		IDO	CUMENT	FOREI	GN PATENT DOCUM	MENTS	1	
INITIAL			MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL							Yes No
	AM							Yes No
								Yes
	AN		· · · · · · · · · · · · · · · · · · ·	 				No Yes
	AO							No Yes
	AP		OTHER (Including A	uthor, Title, Date, Po	ertinent Pages, etc.)	No
мМ	AR	37	Blomfield, I.	С., <i>et al</i> ., "Тур	e 1 fimbriation and fimE r American Society for Micr	mutants of Escherichia o		teriol. 1991
	Blomfield, I.C., et al., "Integration host factor stimulates both FimB- and FimE-mediated site-specific DNA inversion that controls phase variation of type 1 fimbriae expression in Escherichia coli, " Mol Microbiol. 1 Feb;23(4):705-717, Blackwell Science, Ltd. (1997)						specific DNA of Microbiol. 1997	
	AT	37			K.D., "Yeast surface displaced. 2000;328:430-444, Ad			ssion, affinity, and
EXAMINER						DATE	CONSIDERED	
					ion is in conformance with nication to Applicant.	MPEP 609. Draw line th	rough citation if no	t in conformance

NPE						Page 4 of 62
70,	· 6		ATTY. DOCKET NO. 1700.0180002/BJD/SJE		PLICATION NO. /848,616	
1 . 45'	2004 当ORM PTO-1449		FIRST NAMED INVENTOR			
/ //// /	LEMENTAL INFORMATI		Sebbel et al.			
FIRST SUPP	LEMENTAL INFORMATI	ON DISCLOSURE	FILING DATE	AR	RT UNIT	
×3.	STATEMENT		May 4, 2001	164	48	
ARY & TRA	OEM					
		U.S. PA	TENT DOCUMENTS			
EXAMINER	DOCUMENT					

DOCUMENT	FOREIG	GN PATENT DOCUME!	NTS CLASS	SUB-CLASS SUB-CLASS	FILING DATE
				SIRCIACC	
				SIRCIASS	
				SIRCIASS	
				SIRCIASS	
				SUBCIASS	
				SUBCLASS	
				SUB-CLASS.	
NUMBER	DATE	COUNTRY	CLASS	I SHIR CHASE !	
			ì	- OOD-CLASS	TRANSLATION Ye
					Ye
					Ye
					Y
					Ye
OTHER	(Including A	uthor, Title, Date, Perti	nent Pages, etc.)		
assembly e	of pili or capsule	-like structures of gram-neg;	e family of periplasmi ative bacteria, " <i>J Mol</i>	c chaperones invo <i>Evol</i> . 1997 Mar,4	olved in the 14(3):299-309,
nodel for l	DNA and RNA to	ransport in gram negative ba	nd genetic control of b acteria, " <i>Trans. N.Y. A</i>	acterial pili and a Acad. Sci. 1965;2	molecular 7:1003-1054,
superfamily of various	y that includes la activation proce	eukocyte and fibroblast-deriv	red inflammatory agei	nts, growth factor	s, and indicator
	- · · <u>- · · · · · · · · · · · · · · · ·</u>		DATE	CONSIDERED	
	Bonci, A., assembly Springer V Brinton, Jr model for New York Brown, K.I superfamil of various Immunological Considered, which was a second considered, which is a second considered.	Bonci, A., et al., "Relatedrassembly of pili or capsule Springer Verlag New York Brinton, Jr., C.C., "the Stramodel for DNA and RNA to New York Academy of Science Services and Services a	Bonci, A., et al., "Relatedness and phylogeny within the assembly of pili or capsule-like structures of gram-neg Springer Verlag New York Inc. 1997 Brinton, Jr., C.C., "the Structure, function, synthesis ar model for DNA and RNA transport in gram negative bath New York Academy of Sciences (1965) Brown, K.D., et al., "A family of small inducible proteins superfamily that includes leukocyte and fibroblast-deriv of various activation processes, " J Immunol. 1989 Jan Immunologists (1989)	Bonci, A., et al., "Relatedness and phylogeny within the family of periplasmi assembly of pili or capsule-like structures of gram-negative bacteria, " <i>J Mol Springer Verlag New York Inc.</i> 1997 Brinton, Jr., C.C., "the Structure, function, synthesis and genetic control of b model for DNA and RNA transport in gram negative bacteria, " <i>Trans. N.Y. New York Academy of Sciences</i> (1965) Brown, K.D., et al., "A family of small inducible proteins secreted by leukocy superfamily that includes leukocyte and fibroblast-derived inflammatory age of various activation processes, " <i>J Immunol.</i> 1989 Jan 15;142(2):679-687, Immunologists (1989) DATE of the considered, whether or not citation is in conformance with MPEP 609. Draw line that	Brinton, Jr., C.C., "the Structure, function, synthesis and genetic control of bacterial pili and a model for DNA and RNA transport in gram negative bacteria, " <i>Trans. N.Y. Acad. Sci.</i> 1965;2 New York Academy of Sciences (1965) Brown, K.D., et al., "A family of small inducible proteins secreted by leukocytes are members superfamily that includes leukocyte and fibroblast-derived inflammatory agents, growth factor of various activation processes, " <i>J Immunol.</i> 1989 Jan 15;142(2):679-687, The American Ass

and not conside 285541_1.DOC

OLD E JOY			Page 5 of 62
A S 2004 E SORM PTO 1440	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616	
1 711 1 2 E LOKIM 1 10-1449	FIRST NAMED INVENTOR Sebbel et al.		
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648	

					U.S. P	ATENT DOCUMENTS			
EXAMIN				CUMENT			T _{21,200}	T	T
INITIAL		AA	NUN	MBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
		AB	\vdash	+			-		
		AC	 					+	
		AD	-				-		
		AE	-						
		AF	—			 			
		AG	ــــــ						
			<u> </u>					_	
		AH							
		Al							
		AJ .							
		AK							
EXAMIN	IED.		—— ——	CUMENT	FOREIGN	PATENT DOCUMENTS			
INITIAL				DCUMENT JMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
		AL							Yes No
		АМ							Yes No
		AN							Yes
		AO	1						Yes
		AP	+-		 			+	No Yes
		_AP	<u> </u>	OTHER (I	 ncluding Auth	│ hor, Title, Date, Pertinent I	Pages, etc.)	<u> </u>	No
M	M	AR	<u>39</u>	Brown, P.M., baculovirus e	et al., "A single- expression syster	step purification of biologically am, " <i>Protein Expr Purif</i> . 1995 Feb	ctive recombin 2;6(1):63-71, A	nant human interlucademic Press,	eukin-5 from a Inc. (1995)
	·	AS	<u>39</u>	Burger, J.A., et al., "Blood-derived nurse-like cells protect chronic lymphocytic leukemia B cells from spontaneous apoptosis through stromal cell-derived factor-1, " Blood. 2000 Oct;96(8):2655-63, The American Society of Hematology (October 2000)					
+		AT	<u>39</u>	sequence tha	at enhances colo:	on of the mouse large intestine t nizing ability and stimulates synt an Society for Microbiology (199	thesis of type 1	cherichla coli F-1 1 fimbriae, * Infec	18 DNA :t Immun. 1993
EXAMIN	IER		<u></u>				DATE	CONSIDERED	

	6 P E JONE		Page 6 of 62
	, , 7004 H	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
١	別L	FIRST NAMED INVENTOR Sebbel et al.	
	FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648

					U.S. PA	ATENT DOCUMENTS	 			
EXAMIN	ER			JMENT	DATE	NAME	CLASS	CUD OLASS	EU INIO DATE	
INITIAL		AA	NUM	BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	-	AB							<u> </u>	
		Ab					<u> </u>			
		AC								
		AD								
		AE								
		AF							-	
		AG					 			
		АН	<u> </u>							
		Al								
<u> </u>		AJ		-			 		~	
		AK			 		 			
			l	<u>.</u>	EOBEIGN	PATENT DOCUMENTS			<u>l</u>	
EXAMIN	IER		DOC	CUMENT	FOREIGN	FAIENT DOCUMENTS		`	***	
INITIAL				MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
		AL							Yes No	
		A.4							Yes	
		AM	+		 		-		No Yes	
		AN	ļ						No	
		AO							Yes No	
		AP		`					Yes No	
			<u>'</u>	OTHER (I	ncluding Auth	nor, Title, Date, Pertinent	Pages, etc	;.)	NO	
MΛ	')	AR	<u>40</u>	Daugherty, F libraries disp Press (July 1	layed on the Esc	opment of an optimized express therichia coli surface, " <i>Protein l</i>	sion system f Eng. 1999 Ju	or the screening o II;12(7):613-621, C	f antibody Oxford University	
		AS	40	Eisenstein, B.I., et al., "Phase variation of type 1 fimbriae in Escherichia coli is under transcriptional control, Science. 1981 Oct 16;214(4518):337-339, American Association for the Advancement of Science (1981)						
-		AT	40	Elisseeva, E.L., et al., "NMR studies of active N-terminal peptides of stromal cell-derived factor-1. Structural basis for receptor binding, " J Biol Chem. 2000 Sep 1;275(35):26799-26805, The American Society for Biochemistry and Molecular Biology Inc. (September 2000)						
EXAMIN	ER	<u> </u>	•				DAT	CONSIDERED		

PE JOJA		Page 7	7 of 62
my 🗓	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616	
/ Jul 1 5 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FIRST NAMED INVENTOR Sebbel et al.		
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648	

				U.S. P.	ATENT DOCUMENTS	3		
EXAMINER INITIAL		DOCU	UMENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA							
	AB	 						
	AC	 					_	
	AD	 					_	
	AE	1						
	AF	+						
	AG	+						-
	AH	+			-			
	Al	 						-
	ÂJ	 						<u> </u>
	AK	┼					_	-
		<u> </u>		EOREIGN	PATENT DOCUMEN	UT6		
EXAMINER			CUMENT		PATENT DOCUMEN			
INITIAL		NUI	MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes
	AL			 				No Yes
	AM		*****					No
	AN							Yes No
	AO							Yes No
	AP							Yes No
		1	OTHER (I	ncluding Aut	hor, Title, Date, Perti	nent Pages, etc	.)	
MM	AR	41	Fehr, T., et a recombinant Press (1998)	virus particles. "	endent type I antibody resp Proc Natl Acad Sci U S A	xonse against B cell v. 1998 Aug 4;95(16	epitopes express i):9477-9481, Nati	ed repetitively on ional Academy
	AS	41	Escherichia	et al., "Environme coli K-12: effects ociety for Microbio	ental regulation of the fim s of temperature and media ology (1993)	switch controlling ty a, * <i>J Bacteriol</i> . 199	pe 1 fimbrial phas 3 Oct;175(19):618	e variation in 36-6193,
7	AT	41	Gally, D.L., e fimbriae in E	et al., "Interaction scherichia coli K	n of Fim8 and FimE with th -12, " <i>Mol Microbiol</i> . 1996	ne fim switch that co Aug;21(4):725-38,	entrols the phase of Blackwell Science	variation of type 1 e Ltd: (1996)
EXAMINER			<u></u>			DATE	CONSIDERED	
EXAMINER: In	itial if refe	rence co	onsidered, whet	her or not citation	is in conformance with MPR	EP 609. Draw line th	rough citation if no	t in conformance
and not conside	red. Incu	ide copy	of this form wi	h next communica	ation to Applicant.			

(P E SC/3)		Page 8 of 62
ر ۱۹۳۸ کا	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
\ \ \\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	FIRST NAMED INVENTOR Sebbel et al.	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648

					U.S	PATENT DOCUMEN	ITS				
EXAMINEI INITIAL	R		DOC	JMENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
INITIAL	-	W	INOW	DLIX	DAIL	·	/	000-01200	TILINO DATE		
	_ A	λB	-								
	P	AC .									
	P	AD.	-						<u> </u>		
	-	λE	-								
		\F	-						 		
		ĀG	-								
		AH.	<u> </u>		<u> </u>						
		AI	ļ		<u> </u>						
		AJ									
		4K 			\						
EXAMINE	R		DO	CUMENT	FORE	GN PATENT DOCUM	IENTS	-1			
INITIAL				MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
		AL		_					Yes No		
		AM							Yes No		
		AN							Yes No		
		AO						•	Yes No		
		AP							Yes		
		AP		OTHER (Including A	Author, Title, Date, Pe	ertinent Pages, etc	;.)	No		
MM		AR	42	Gherardi, E Immunol M	i., <i>et al</i> ., "A sin lethods. 1990 .	gle-step procedure for clo lan 24;126(1):61-68, Elsev	ning and selection of a vier (1990)	intibody-secreting	hybridomas, " <i>J</i>		
		AS	42	Hanes, J., oribosome di 2000)	Hanes, J., et al., *Picomolar affinity antibodies from a fully synthetic naive library selected and evolved by ribosome display, " Nat Biotechnol. 2000 Dec;18(12):1287-1292, Nature Publishing Company (December 2000)						
	,	AT	42	Hanson, M. characteriza Microbiolog	ation of the ad	ification of the Escherichia hesin protein, * <i>J Bacterio</i> i	a coli type 1 pilin and n /. 1988 Aug;170(8):33	ninor pilus proteins 50-3358, Americar	and partial Society for		
EXAMINE	R		1	<u> </u>			DAT	E CONSIDERED			

PEVC		Page 9 of 62
مرا المالية	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
5 100 € FORM PTO-1449	FIRST NAMED INVENTOR	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE	Sebbel et al.	
\FIRST SUPPLEMENTAL INFORMATION DISCLOSURE	FILING DATE	ART UNIT
STATEMENT	May 4, 2001	1648
VY & TRAD		

<u> </u>				U.S. P	PATENT DOCUMENTS	S				
EXAMINER INITIAL			UMENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
INITIAL	AA	14010	DEK	DAIL	IVANIC	CLASS	SUB-CLASS	FILING DATE		
	AB									
	AC	+				· · · · · · · · · · · · · · · · · · ·		 		
	AD	-								
	AE	-						 		
	AF						_			
		ļ								
	AG									
	AH									
	Al									
	AJ									
	AK	<u> </u>								
				FOREIG	N PATENT DOCUME	NTS				
EXAMINER INITIAL			CUMENT MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL							Yes No		
	AM							Yes		
								No Yes		
	AN							No Yes		
	AO		· · ·					No Yes		
	AP		OTHER (Including Au	 thor, Title, Date, Perti	inent Pages, etc.)		No		
μМ	AR	43	Hanson, M.	S., and Brinton,	Jr., C.C., "Identification and 17;332(6161):265-8, Natur	d characterization of I	E. coli type-1 pilu	s tip adhesion		
	AS	43	Harrison, J.I Publisher Lt	Harrison, J.L., et al., "Screening of phage antibody libraries, " Methods Enzymol. 1996;267:83-109, Macmillan Publisher Ltd. (1996)						
	АТ	43	Hirel, PH., et al., "Extent of N-terminal methionine excision from Escherichia coli proteins is governed by the side-chain length of the penultimate amino acid, " <i>Proc Natl Acad Sci</i> U S A. 1989 Nov;86(21):8247-8251, National Academy Press (1989)							
EXAMINER			<u></u>			DATE	CONSIDERED			
						1				

(IPE of		F	Page 10 of 62
1 5 2004 B FORM PTO-1449	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616	
[/ Jnr , E]	FIRST NAMED INVENTOR Sebbel et al.		
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648	

				U.S. P/	ATENT DOCUMENTS					
EXAMINER INITIAL			UMENT BER	DATE	NAME	CLASS	CLID CLASS	EII INC DATE		
INTUAL	AA	NOW	DER	DATE	INAME	CLASS	SUB-CLASS	FILING DATE		
	AB									
	<u> </u>	<u> </u>		;						
	AC			·						
	AD									
	AE									
	AF	 								
	AG	+						 		
	AH	+		<u> </u>		-				
	Al	+					+			
	AJ	-				· · · · · · · · · · · · · · · · · · ·				
		 						!		
	AK	<u> </u>								
SVALUNED				FOREIGN	PATENT DOCUMENTS					
EXAMINER INITIAL			CUMENT MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL		_					Yes		
		1.				1		No Yes		
	AM	+		+	· · · · · · · · · · · · · · · · · · ·		-	No Yes		
	AN			 			<u> </u>	No		
	AO	_						Yes No		
	AP			\				Yes No		
			OTHER (I	ncluding Auth	nor, Title, Date, Pertinent	Pages, etc.)			
MM	AR	44	Holmgren, A bacteria, * E	., et al., "Conserv MBO J. 1992 Apr;	red immunoglobulin-like features ;11(4):1617-1622, Oxford Unive	s in a family of ersity Press (19	periplasmic pilus 392)	chaperones in		
	AS	44	Holmgren, A fold, * Nature	Holmgren, A., and Bränden, CI., "Crystal structure of chaperone protein PapD reveals an immunoglobulin fold, " <i>Nature</i> . 1989 Nov 16;342(6247):248-251, Nature Publishing Group (1989)						
	AT	Hultgren, S.J., et al., "PapD and superfamily of periplasmic immunoglobulin-like pilus chaperones, " Adv Protein Chem. 1993;44:99-123, Academic Press Inc. (1993)								
EXAMINER		J				DATE	CONSIDERED			

GIPE IN		Page 11 of 62
	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
JUL 1 5 2004 EFORM PTO-1449	FIRST NAMED INVENTOR Sebbel et al.	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT
& TRADE STATEMENT	May 4, 2001	11648

				U.S. PA	ATENT DOCUMENTS			
EXAMINER INITIAL		DOC	UMENT	DATE	NAME	CLASS	SUP CLASS	EU INO DATE
INITIAL	AA	NOW	BEK	DATE	IVAIVIE	CLASS	SUB-CLASS	FILING DATE
	AB						 	
		<u> </u>						
	ÃC	<u></u>						
	AD							
	AE							
	AF							
	AG]						
	AH			*				
	Al							
	AJ							
	AK							
	l	.I		FOREIGN	PATENT DOCUMENTS			<u>-L</u>
EXAMINER INITIAL			CUMENT MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL		•				002 02 100	Yes No
	AM							Yes
-	AN				:			No Yes
	AO							No Yes
	AP	<u> </u>						No Yes
	IAP		OTHER (II	ncluding Auth	nor, Title, Date, Pertinent	Pages, etc.)	<u> </u>	No
MAR PRIM/	AR	45	Hultgren, S.J	et al *Pilus an	nd nonpilus bacterial adhesins: 01, Cell Press (1993)			cognition, "
RY E. MOSHER MARY EXAMINER BROUP 1800	AS	<u>45</u>	Hultgren, S.J Neidhardt, F.	., et al., "Bacteria C., et al., eds., A	al Adhesins and Their Assembl SM Press, Washington, D.C. p	y, * in Escherici op. 2730-2756 (hia coli and Salm 1996)	onella,
E X	АТ	45	Hung, D.L., e EMBO J. 199	et al., "Molecular 96 Aug 1;15(15):3	basis of two subfamilies of imn 3792-3805, Oxford University F	nunoglobulin-lik Press (1996)	e chaperones, "	
EXAMINER			·	_ -		DATE	CONSIDERED	

Stamp instead of initials because of hand satisfue MM 285541_1.DOC

SKGF Rev. 12/03/03

25	- -	Page 12 of 62
OTHE SOL	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
FORM PTO-1449	FIRST NAMED INVENTOR Sebbel et al.	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE	FILING DATE May 4, 2001	ART UNIT 1648
a marketh.		

	1165		, , , , , , , , , , , , , , , , , , ,	U.S. P/	ATENT DOCUMENTS			
EXAMINER INITIAL		DOC	UMENT IBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA	-						1 Harry
	AB							
***************************************	AC						+	
	AD						+	
	AE	 					 	+
	AF	-						
	AG	-				+		
	AH	-				+	 	
	Al	-						
	AJ	 			<u> </u>			
	AK	 			-		-	
		<u> </u>		EORFIGN	PATENT DOCUMENTS			
EXAMINER	\neg	Тро	CUMENT	TORLIGI	PATENT DOCUMENTS			
INITIAL	-		MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL							Yes No
	AM							Yes No
	AN							Yes No
	AO							Yes No
	AP							Yes No
			OTHER (In	ncluding Auth	nor, Title, Date, Pertinent	Pages, etc.))	
PR.M.	AR	46	Ingley, E., et expression sy	al., "Production a ystems, " Eur J B.	and purification of recombinant l Biochem. 1991 Mar 28;196(3):62	human interleul 23-629, Blackw	kin-5 from yeast rell Science Ltd. (and baculovirus (1991)
MARY E. MOSHER PRIMARY EXAMINER GROUP 1800	AS	<u>46</u>	Jacob-Dubuis chaperone-lik Academy Pre	ke activities of Dsl	PapD chaperone function in pilu sbA, <i>" Proc Natl Acad Sci</i> U S A	is biogenesis de . 1994 Nov 22;	epends on oxidar 91(24):11552-11	nt and 556, National
25	AT	<u>46</u>	Jacob-Dubuis pilus depend (1993)	sson, F., et al., "Ir on two specialize	nitiation of assembly and assoc ed tip proteins, " <i>EMBO J</i> . 1993	iation of the str Mar;12(3):837	uctural elements -47, Oxford Univ	of a bacterial ersity Press
EXAMINER		<u></u>				I DATE (CONSIDERED	

SIPE		Page 13 of 62
JUL 1 5 2004 BORM PTO-1449	ATTY. DOCKET NO. 1700.0180002/BJD/SJE FIRST NAMED INVENTOR	APPLICATION NO. 09/848,616
HIRST SUPPLEMENTAL INFORMATION DISCLOSURE	Sebbel et al. FILING DATE May 4, 2001	ART UNIT 1648
FRADENIN STATEMENT		

				U.S. PA	TENT DOCUMENTS						
EXAMINER INITIAL		DOC	UMENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE			
	AA										
	AB			· - - · · · ·							
	AC							` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `			
	AD										
	AE						· '	1			
· · · · · · · · · · · · · · · · · · ·	AF						 	 			
	AG										
-	AH						 				
	Al										
	AJ LA			·				}			
	AK										
	<u>. </u>	<u> </u>	<u> </u>	FOREIGN	PATENT DOCUMENTS		<u> </u>	<u> </u>			
EXAMINER INITIAL			CUMENT MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION			
1111712	AL	1	WIDEIY	DAIL	COUNTRY	CLASS	SUB-CLASS	Yes			
	AM							Yes			
	AN	+						No Yes			
<u> </u>	AO		, <u>, , , .</u>					No Yes			
	AP	-						No Yes			
	AF		OTHER (In	ncluding Auth	or, Title, Date, Pertinent	Pages, etc.)		No			
M. Pri	AR	47	OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Jacob-Dubuisson, F., et al., "Chaperone-assisted self-assembly of pili independent of cellular energy, " J Biol Chem. 1994 Apr 29;269(17):12447-12455, The American Society for Biochemistry and Molecular Biology Inc. (1994)								
ARY E. MOSHER IMARY EXAMINER GROUP 1800	AS	<u>47</u>	Jones, C.H., "Proc Natl Ad	ones, C.H., et al., "FimC is a periplasmic PapD-like chaperone that directs assembly of type 1 pili in bacteria, Proc Natl Acad Sci U S A. 1993 Sep 15;90(18):8397-8401, National Academy Press (1993)							
ER NER	АТ	47	Jones, C.H., Enterobacteri (1995)	et al., " FimH adh aceae, " <i>Proc Na</i>	esin of type 1 pili is assembled ti Acad Sci U S A. 1995 Mar 14	into a fibrillar t 1;92(6):2081-20	ip structure in the 85, National Aca	e ademy Press			
EXAMINER		4				DATE (CONSIDERED				

285541_1.DOC

SIPE		Page 14 of 62
	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
JUL 1 5 2004 EFORM PTO-1449	FIRST NAMED INVENTOR Sebbel et al.	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648
& TRADEMIN		

	·			U.S. P/	ATENT DOCUMENTS		· · · · · · · · · · · · · · · · · · ·				
EXAMINER			UMENT	DATE	NAME	CLASS	SUP CLASS	50 INC DATE			
INITIAL	AA	NUME	BER	DATE	NAIVIE	CLASS	SUB-CLASS	FILING DATE			
	AB	 				 					
	AC										
	AD										
	AE										
	AF							·			
	AG										
	AH										
	Al										
,	AJ .										
	AK							``			
				FOREIGN	PATENT DOCUMENTS						
EXAMINER INITIAL			CUMENT MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION			
	AL	T						Yes			
		+					+	No Yes			
	AM	+						No Yes			
	AN	\bot						No.			
	AO			Į				Yes No			
	AP	1	***************************************					Yes			
		i	OTHER (I	ncluding Auth	nor, Title, Date, Pertinent F	Pages, etc.))	No_			
PRINA	AR	48	Biol Chem. 2	Kim, KH., et al., "A cysteine-rich adipose tissue-specific secretory factor inhibits adipocyte differentiation, " "Biol Chem. 2001 Apr 6;276(14):11252-11256, The American Society for Biochemistry and Molecular Biology Inc. (April 2001)							
ARY E. MOSHER MARY EXAMINER GROUP 1800	AS	48	Klemm, P., e specific adhe	lemm, P., et al., "The major subunit of Escherichia coli type 1 fimbriae is not required for D-mannose- pecific adhesion, " <i>Mol Microbiol</i> . 1990 Apr;4(4):553-559, Blackwell Scientific Publications (1990)							
NER	AT	48	Klemm, P., a 1 fimbriae, *	nd Christiansen, Mol Gen Genet. 1	G., "The fimD gene required for 1990 Jan;220(2):334-338, Spring	cell surface lo ger-Verlag (19	xalization of Esc 90)	herichia coli type			
EXAMINER						DATE	CONSIDERED				

NPE		Page 15 of 62
	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
JUL 1 5 2004 EORM PTO-1449	FIRST NAMED INVENTOR Sebbel et al.	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648
& TRADENII	<u> </u>	

U.S. PATENT DOCUMENTS											
EXAMINER INITIAL		DOCU	JMENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE			
	AA										
	AB					T					
	AC										
	AD	<u> </u>									
	AE	 					-				
	AF			·							
	AG			<u> </u>				-			
	AH	<u> </u>									
	Ai	-				_	-				
	AJ							<u> </u>			
	AK	-									
	<u> </u>	<u> </u>		FORFIGN	PATENT DOCUMENTS			<u> </u>			
EXAMINER INITIAL			CUMENT MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION			
MILIAL	AL	NO	MDCK	DAIL	COUNTRY	CLASS	SUB-CLASS	Yes			
							-	No Yes			
	AM	-	·					No Yes			
	AN							No Yes			
	AO			}			· · · · · · · ·	No Yes			
	AP		OTHER (Including Auth	nor, Title, Date, Pertinent	Pages, etc.)		No			
PRI	AR	49	Klemm, P., fimbriae, * F	*FimC, a chapero Res Microbiol. 199	ne-like periplasmic protein of Es 2 Nov-Dec;143(9):831-838, Inst	cherichia coli li itute Pasteur/E	nvolved in bioge Isevier (1992)	nesis of type 1			
RY E. MOSHER MARY EXAMINER SROUP 1800	AS	49	Klemm, P., Press, Inc.,	Klemm, P., and Krogfelt, K.A., * Type 1 Fimbriae of Escherichia coli, * In <i>Fimbriae</i> , Klemm, P., ed., CRC Press, Inc., Boca Raton, EL., pp.9-26 (1994)							
	AT	49	Koschel, M. allow capsio	, et al., "Extensive I formation, " <i>J Vir</i>	mutagenesis of the hepatitis B ol. 1999 Mar;73(3):2153-2160, /	American Socie	ety for Microbiolo	of mutations that ogy (March 1999)			
EXAMINER	-					i	CONSIDERED				
EXAMINER: In and not conside	itial if refe red. Inclu	rence co ide copy	nsidered, whe of this form w	ther or not citation ith next communication	is in conformance with MPEP 609 ation to Applicant.	. Draw line thro	ough citation if no	in conformance			

OF		Page 16 of 62
01 3/3	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
FORM PTO-1449 JUL 1 5 2004 5 FORM PTO-1449 LEIRST SUPPLEMENTAL INFORMATION DISCLOSURE	FIRST NAMED INVENTOR Sebbel et al.	
STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648
TRADEMAR!	,	

7.00				U.S. P/	ATENT DOCUMENTS		· · · · · · · · · · · · · · · · · · ·					
EXAMINER INITIAL		DOCI	JMENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE				
- · · · · · · · · · · · · · · · · · · ·	AA											
	AB											
	AC											
	AD											
	AE											
	AF							 				
	AG						-					
	AH											
·	Al											
	AJ				-	-						
	AK											
	1	i	l	FOREIGN	PATENT DOCUMENTS		<u></u>	<u> </u>				
EXAMINER INITIAL			CUMENT MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION				
INTERE	AL	1101	WIDER	DAIL	COUNTRY	CLASS	30B-CLASS	Yes				
		1						No Yes				
· · · · · · · · · · · · · · · · · · ·	AM	-		<u> </u>				No Yes				
	AN	-						No Yes				
	AO	+-		<u> </u>			· · · · · · · · · · · · · · · · · · ·	No Yes				
	AP		OTHER (ncluding Auth	or, Title, Date, Pertinent	Pages, etc.)		No				
PAIR	AR	<u>50</u>	OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Krogfelt, K.A., et al., "Direct evidence that the FimH protein is the mannose-specific adhesin of Escherichia coli type 1 fimbriae, " Infect Immun. 1990 Jun;58(6):1995-1998, American Society for Microbiology (1990)									
MARY E. MOSHER PRIMARY EXAMINER GROUP 1800	AS	<u>50</u>	Lowe, M.A., J Bacteriol.	owe, M.A., et al., "Immunoelectron microscopic analysis of elongation of type 1 fimbriae in Escherichia coli, " Bacteriol. 1987 Jan;169(1):157-163, American Society for Microbiology (1987)								
E 33	AT	<u>50</u>	vascular end	iothelial growth fa	the residues in the extracellular actor and neutralizing anti-KDR American Society for Biochem	antibodies, " J	Biol Chem. 2000	Mav				
EXAMINER	_L	<u> </u>	1			DATE	CONSIDERED					

CIPE		Page 17 of 62
	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
JUL 1 5 2004 25 ORM PTO-1449	FIRST NAMED INVENTOR Sebbel et al.	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648
& TRAOENIA		

			-	U.S. PA	TENT DOCUMENTS					
EXAMINER INITIAL		DOCU	JMENT BER I	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC	-					<u> </u>	1		
	AD									
	AE									
	AF									
	AG									
:	AH						<u> </u>			
	Al									
	AJ	<u> </u>			•		,			
	AK	-								
		<u> </u>		EODEIGN	PATENT DOCUMENTS					
EXAMINER	<u> </u>	Inoc	CUMENT	FOREIGN	PATENT DOCUMENTS	1				
INITIAL	_		/BER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL							Yes No		
	АМ							Yes No		
	AN							Yes No		
	AO							Yes No		
	AP							Yes No		
,	17.3		OTHER (In	ncluding Auth	or, Title, Date, Pertinent P	ages, etc.)				
M. PRII	AR	<u>51</u>	Luther, S.A., lymphoid neo	et al., "BLC expre genesis, " <i>Immur</i>	ession in pancreatic islets cause nity. 2000 May;12(5):471-481, Co	s B cell recrui ell Press (May	tment and lymph / 2000)	notoxin-dependent		
MARY E. MOSHER RIMARY EXAMINER GROUP 1800	AS	<u>51</u>	Mackay, J.L., Macmillan Ma	Mackay, J.L., and Browning, J.L., "Turning off follicular dendritic cells, " Nature. 1998 Sep 3;395(6697):26-27, Macmillan Magazines Ltd. (1998)						
ER	AT	<u>51</u>	hematopoieti	c cells and exhibi	or tyrosine kinase cDNA isolated ting close genetic linkage to c-ki I Academy Press (1991)	d from a popu t, " <i>Proc Natl i</i>	lation of enriche Acad Sci U S A.	d primitive 1991 Oct		
EXAMINER	·	ч——				DATE	CONSIDERED			

0.5		Page 18 of 62
OIFE	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE	FIRST NAMED INVENTOR Sebbel et al.	
FIRS™SUPPLEMENTAL INFORMATION DISCLOSURE \- \- \- \- \- \- \- \-	FILING DATE May 4, 2001	ART UNIT 1648

TRATERA	SEMB				545545 5664445						
		1500	ALAENE I	<u> </u>	PATENT DOCUME	NTS		,	,		
EXAMINER INITIAL		NUME	JMENT	DATE	NAME		LASS	SUB-CLASS	FILING DATE		
INTIAL	AA	INCIVIE	JEK	DAIL	IVAME		LAGG	305-CLASS	FILING DATE		
	AB	-									
	AC	-									
	AD	ļ <u> </u>									
	AE	-							-		
	AF	ļ			-		· · · · · · · · · · · · · · · · · · ·		<u> </u>		
	AG			 				<u> </u>			
	AH	<u> </u>									
	Al										
		ļ									
	AJ										
	AK			<u> </u>							
		T==	 	FORE	GN PATENT DOCU	MENTS					
EXAMINER INITIAL			CUMENT MBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION		
	AL								Yes No		
	AM							·	Yes No		
	AN								Yes No		
	AO	1	···						Yes No		
	AP								Yes No		
	TVI.		OTHER (Including A	uthor, Title, Date, F	Pertinent Pac	ies. etc.)		NO		
₽₽	AR	OTHER (Including Author, Title, Date, Pertinent Pages, etc.) McClain, M.S., et al., "Roles of fimB and fimE in site-specific DNA inversion associated with phase variation of type 1 fimbriae in Escherichia coli, " J Bacteriol. 1991 Sep;173(17):5308-5314, American Society for Microbiology (1991)									
MARY E. MOSHER RIMARY EXAMINER GROUP 1800	AS	<u>52</u>	II-induced a	Mikulowska, A., et al., "Macrophage migration inhibitory factor is involved in the pathogenesis of collagen type II-induced arthritis in mice, " J Immunol. 1997 Jun 1;158(11):5514-5517, The American Association of Immunologists (1997)							
ER S	AT	<u>52</u>			astoma growth inhibited 9, Nature Publishing Gro		ninant-nega	ative Flk-1 muta	nt, " Nature . 1994		
EXAMINER							1	CONSIDERED			
EXAMINER: Initial and not conside	tial if refe red. Inclu	rence co	onsidered, whe	ther or not citat	ion is in conformance wit nication to Applicant.	h MPEP 609. Dr	raw line thro	ugh citation if no	t in conformance		

OIPE		Page 19 of 62
	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
JUL 1 5 2004 평 FORM PTO-1449	FIRST NAMED INVENTOR	
1\ ' &1	Sebbel et al.	<u> </u>
\FIRST SUPPLEMENTAL INFORMATION DISCLOSURE	FILING DATE	ART UNIT
TRADEMACE STATEMENT	May 4, 2001	1648
A TRADEW		

				U.S.	PATENT DOCUMEN	TS			
EXAMINER INITIAL		DOC	UMENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
	AB								
, <u>.</u>	AC						 		
	AD						<u> </u>		
	AE	 							
	AF	 						-	
	AG							 	
	AH	1	<u>.</u>						
	Al								
	AJ	<u> </u>			-		_		
	AK	<u> </u>							
	I AK			FORFIC	N DATENT BOOKIN	ENTO			
EXAMINER	<u> </u>	DOG	CUMENT	FOREIG	N PATENT DOCUM	ENTS	1		
INITIAL			MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AL	_						Yes No	
	AM						·	Yes No	
	AN							Yes No	
	AO							Yes No	
	AP							Yes No	
		·	OTHER (Including A	ıthor, Title, Date, Per	rtinent Pages, etc.)		
MARY E. PRIMARY GROU	AR	53	Mitchell, D.L., et al., "Purification and characterisation of recombinant murine interleukin-5 glycoprotein, from a Baculovirus expression system, " <i>Biochem Soc Trans</i> . 1993 Nov;21(4):332S, Portland Press (1993)						
Y E. MOSHER ARY EXAMINER ROUP 1800	AS	53	Naureckien Escherichia	Naureckiene, S., and Uhlin., B.E., "In vitro analysis of mRNA processing by RNase E in the pap operon of Escherichia coli, " <i>Mol Microbiol.</i> 1996 Jul;21(1):55-68, Blackwell Science Ltd. (1996)					
	AT	53	Newman, J. Microbiol Le	V., et al., "Stime ett. 1994 Oct 1;1	ulation of Escherichia coli 122(3):281-287, Elsevier (F-18Col- type-1 fimbri (1994)	ae synthesis by le	euX, * <i>FEMS</i>	
EXAMINER		4				DATE	CONSIDERED		
EXAMINER: In	itial if refe	rence conv	onsidered, whe	ther or not citation	on is in conformance with Mication to Applicant.	MPEP 609. Draw line the	ough citation if not	in conformance	

OIPER		Page 20 of 62
	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
JUL 1 5 2004 EORM PTO-1449	FIRST NAMED INVENTOR	
<u> </u>	Sebbel et al.	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE	FILING DATE	ART UNIT
STATEMENT	May 4, 2001	1648
TIKU		

				110 5	ATENT DOCUMENT	TC				
EXAMINER		חחרוי	MENT	U.S. P	ATENT DOCUMENT	19			1	
INITIAL		NUME		DATE	NAME	CL	ASS	SUB-CLASS	FILING DATE	
	AA			<u> </u>					1	
	AB									
	AC	<u> </u>		 	 			<u> </u>		
	AD									
` `	AE			····						
_	AF	ļ						-		
	AG			<u></u>						
	AH									
	Al									
	AJ									
	AK	_		· · · · · · · · · · · · · · · · · · ·						
	-	<u> </u>		FOREIG	N PATENT DOCUM	ENTS		٠		
EXAMINER INITIAL	DOCUMENT NUMBER			DATE	COUNTRY		LASS	SUB-CLASS	TRANSLATION	
-	١								Yes	
	AL	-		 					No Yes	
	AM	_							No.	
	AN	ł		1					Yes No	
	AO						·		Yes No	
	AP	\top		-					Yes No	
	IAP		OTHER (including Au	thor, Title, Date, Pe	rtinent Page	es, etc.)	<u> </u>	NO	
PRIN	AR	<u>54</u>	Nieland, J.D protective as Liss Inc. (Ma	nd therapeutic a	ric papillomavirus virus-li ntitumor immune respon	ike particles ind se, * <i>J Cell Bid</i>	duce a mo ochem. 19	urine self-antige 199 May 1;73(2):	n-specific 145-152, Wiley-	
HARY EXAMINER BROUP 1800	AS	<u>54</u>		Nilsson, P., et al., "Mutations affecting mRNA processing and fimbrial biogenesis in the Escherichia coli poperon, " J Bacteriol. 1996 Feb;178(3):683-690, American Society for Microbiology (1996)						
E S	AT	<u>54</u>	Olszewska, the role of a	W., et al., "Protontibody affinity,	ection against measles v " <i>Virology</i> . 2000 Jun 20;2	irus-induced e 272(1):98-105,	ncephaliti Academi	is by anti-mimoto ic Press (June 2	ope antibodies: 000)	
EXAMINER	-l						DATE	CONSIDERED		

EXAMINER DATE CONSIDERED

CIPE		Page 21 of 62
8	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
JUL 1 5 2004 필FORM PTO-1449	FIRST NAMED INVENTOR	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE	Sebbel et al.	1
	FILING DATE	ART UNIT
STATEMENT	May 4, 2001	1648

									
		T = 0.01		U.S. P	PATENT DOCUMENT	<u>'S</u>			
EXAMINER INITIAL		DOCL	JMENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA						1		
	AB							 	
	AC								
	AD								
·	AE								
	AF	 							
	AG								
	AH								
	Al								
	AJ								
	AK							<u> </u>	
				FOREIG	N PATENT DOCUME	NTS	- 		
EXAMINER INITIAL			CUMENT MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AL							Yes No	
	АМ							Yes No	
	AN							Yes No	
	AO							Yes No	
	AP							Yes No	
			OTHER (Including Au	thor, Title, Date, Perl	linent Pages, etc.)		
77.2	AR	<u>55</u>	Orndorff, P.E., and Falkow, S., "Identification and characterization of a gene product that regulates type 1						
IARY E. MOSHER IMARY EXAMINER GROUP 1800	AS	<u>55</u>	Orndorff, P. type 1 pili in (1985)	Orndorff, P.E., and Falkow, S., "Nucleotide sequence of pilA, the gene encoding the structural component of type 1 pili in Escherichia coli, " <i>J Bacteriol</i> . 1985 Apr;162(1):454-457, American Society for Microbiology (1985)					
ER	AT	<u>55</u>	Pierson-Mul distributions	llany, L.K., et al., , * Mol Immunol.	, "Characterization of poly 2000 Aug;37(10):613-62	clonal allergen-specifi 0, Elsevier Science Li	ic IgE responses id (August 2000)	by affinity	
EXAMINER	· -		·*·			DATE	CONSIDERED		

(PE VC)		Page 22 of 62	
(1)	ATTY, DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616	
JUL 1 5 20대 플FORM PTO-1449	FIRST NAMED INVENTOR Sebbel et al.		
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648	
TRAULT			

				U.S. PA	ATENT DOCUMENTS			
EXAMINER			JMENT	DATE	NAME	CLASS	SUP CLASS	EII ING DATE
INITIAL	AA	NUME	SER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AD	 				<u> </u>		
	AB		·					<u> </u>
	AC							
	AD							
	AE							
	AF							
	AG						,	
	АН							
	Al							
	ΑJ							
	AK							
				FOREIGN	PATENT DOCUMENTS		- · · · · · · · · · · · · · · · · · · ·	
EXAMINER INITIAL			CUMENT MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL							Yes No
	АМ							Yes No
	AN							Yes No
	AO							Yes
		+		 		<u> </u>		No Yes
ļ	AP		OTHER (I	ncluding Auth	or Title Date Pertinent	Pages etc.)	<u>[]</u>	No
PRIN	OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Ritter, A., et al., "The Pai-associated leuX specific tRNA5(Leu) affects type 1 fimbriation in pathogenic Escherichia coli by control of FimB recombinase expression, " Mol Microbiol. 1997 Sep;25(5):871-882, Blackwell Science Ltd (1997)							
MARY EXAM GROUP 1806	AS AS	<u>56</u>	(Lrp) with the	e fim switch to stir	I.C., "Leucine alters the interact mulate site-specific recombinati Science Ltd (1998)	ion of the leuci	ne-responsive re nia coli, " <i>Mol Mid</i>	gulatory protein crobiol. 1998
NER.	AT	<u>56</u>		ut affecting recept	P.E., "Lesions in two Escherichi tor binding, " <i>Bacteriol</i> . 1992 Se			
EXAMINER	<u>. I</u>					DATE	CONSIDERED	

()PE X		Page 23 of 62
	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
JUL 1 5 2004 岩中ORM PTO-1449	FIRST NAMED INVENTOR Sebbel et al.	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648
* 8 TRADE		

				U.S. PA	TENT DOCUMENTS				
EXAMINER INITIAL		DOCU	JMENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
	AB								
	AC					=			
	AD								
	AE								
	AF			***********				-	
	AG								
	АН			•				-	
	Al							-	
	AJ								
	AK								
	<u> </u>	. .		FOREIGN	PATENT DOCUMENTS			<u> </u>	
EXAMINER INITIAL			CUMENT MBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
INTUAL	1	140,	VIDER	DATE	COUNTRY		30D-CLASS	Yes	
	AL							No Yes	
	AM	 						No Yes	
	AN	-						No Yes	
	AO			<u> </u>		-	j	No Yes	
	AP	L	OTHER (I	ncluding Auti	or Title Date Pertinen	t Pages, etc.	<u> </u>	No	
7	OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Saulino, E.T., et al., *Ramifications of kinetic partitioning on usher-mediated pilus biogenesis, * EMBO J. 1998 Apr 15;17(8):2177-2185, Oxford University Press (1998)								
MARY E. MOSH PRIMARY EXAMI GROUP 1800	AS	57	Slepushkin, V.A., et al., "Protection of mice against influenza A virus challenge by vaccination with baculovirus-expressed M2 protein, " Vaccine. 1995;13(15):1399-1402, Elsevier Science Ltd. (1995)						
MOSHER EXAMINER JP 1800	AT	<u>57</u>	superfamily a	, et al., "Interactive and essential in sersity Press (1992)	re surface in the PapD chapero subunit recognition and assemi 2)	one cleft is cons bly, " <i>EMBO J. "</i>	erved in pilus ch 1992 Dec;11(13)	aperone 4747-4756,	
EXAMINER		<u> </u>	<u></u>			DATE	CONSIDERED		

DE		Page 24 of 62
(O) (C)	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
(1 5 2004 번 FORM PTO-1449	FIRST NAMED INVENTOR	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE	Sebbel et al.	
\ FIRST SUPPLEMENTAL INFORMATION DISCLOSURE	FILING DATE	ART UNIT
STATEMENT	May 4, 2001	1648

TRADEM! **U.S. PATENT DOCUMENTS EXAMINER** DOCUMENT DATE INITIAL NUMBER NAME **CLASS** SUB-CLASS FILING DATE AA AB AC AD AE ĀF AG AH ΑI AJ AK **FOREIGN PATENT DOCUMENTS EXAMINER** DOCUMENT INITIAL NUMBER COUNTRY DATE **CLASS** SUB-CLASS **TRANSLATION** Yes ΑL No Yes **AM** No Yes AN No Yes AO No Yes AP No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Smyth, C.J., et al., "Fimbrial adhesins: similarities and variations in structure and biogenesis," FEMS Immunol Med Microbiol. 1996 Dec 1;16(2):127-139, Elsevier (1996) AR <u>58</u> Striker, R.T., et al., "Stable fiber-forming and nonfiber-forming chaperone-subunit complexes in pilus biogenesis, " J Biol Chem. 1994 Apr 22;269(16):12233-12239, The American Society for Biochemistry and AS <u>58</u> Molecular Biology Inc. (1994) Thanassi, D.G., et al., "The PapC usher forms an oligomeric channel: implications for pilus biogenesis across the outer membrane, " *Proc Natl Acad Sci* U S A. 1998 Mar 17;95(6):3146-3151, National Academy Press (1998)AT <u>58</u> **EXAMINER** DATE CONSIDERED

OF			Page 25 of 62
0, 50	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616	
1 5 2004	FIRST NAMED INVENTOR Sebbel et al.		
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648	

L	- College	SIAIL	IVILIAI		1 1412 4, 2001		1040	
<u> </u>	DENITY			U.S. P	ATENT DOCUMENTS			
EXAMINER INITIAL		DOCU	JMENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA	1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				32.55	332 33.30	772110007112
	AB							
	AC							
	AD							
	AE							
	AF	/		*****				
	AG							
	АН							
	Al				`			
	AJ				·			
	AK							
				FOREIGN	PATENT DOCUMENT	S		
EXAMINER INITIAL			CUMENT MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL	<u> </u>						Yes No
<u> </u>	АМ							Yes No
	AN							Yes No
	AO							Yes No
	AP							Yes No
		T	OTHER (I	ncluding Aut	hor, Title, Date, Pertine	ent Pages, et	C.)	
₽≈	AR	<u>59</u>	Walse, B., e subunit bour Science B.V	nd by the Escheri	I nuclear Overhauser effect chia coli PapD chaperone, "	spectroscopy str FEBS Lett. 199	udy of a peptide fn 7 Jul 21;412(1):11	om the PapG pilus 5-120, Elsevier
MARY E. MOSHER PRIMARY EXAMINE GROUP 1800	AS	<u>59</u>	Wynne, S.A. Jun;3(6):771	., et al., "The crys -780, Cell Press	stal structure of the human h (June 1999)	epatitis B virus (capsid, * Mol Cell.	1999
);; ~	АТ	<u>59</u>	Zuercher, A. Jan;30(1):12	W., et al., "Oral a 18-135, Wiley-Vo	anti-IgE immunization with e h Verlag GmbH (January 20	00)		
EXAMINER			-	· · · · · · · · · · · · · · · · · · ·		DAT	E CONSIDERED	
EXAMINER: Initiand not consider	tial if refe red. Inclu	rence co	onsidered, whet	ther or not citation	is in conformance with MPEF ation to Applicant.	609. Draw line	hrough citation if n	ot in conformance

OIPE C		Page 26 of 62
1 5 2004 EHORM PTO-1449	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
/ mr , E)	FIRST NAMED INVENTOR Sebbel et el.	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648

				U.S. P.	ATENT DOCUMEN	ITS			
EXAMINER INITIAL		DOCU	JMENT I	DATE	NAME		LASS	SUB-CLASS	FILING DATE
HALLAL	AA	NOIVIL	JEK .	DAIL	INVIAIT		LASS	30B-CLASS	FILING DATE
	AB						· · · · · · · · · · · · · · · · · · ·	 	
	AC	<u> </u>		<u> </u>					
<u> </u>	AD	ļ		····-					
		ļ							
	AE	<u></u>					_		
	AF								
	AG								
	AH								-
	Al								
	AJ								
	AK								
	J	<u> </u>		FOREIGN	 PATENT DOCUM	ENTS			
EXAMINER			CUMENT				01.460	SUID OLABO	TO 4 HOL 4 TION
INITIAL	1	NON	MBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION Yes
	AL			<u> </u>					No Yes
	AM		***************************************						No Yes
	AN			1					No Yes
	AO						_		No
	AP								Yes No
		1	OTHER (Including Aut	hor, Title, Date, Pe	rtinent Pag	jes, etc.)		
			NCBI Entrez	, GenBank Repo	ort, Accession No. P031	153, from See	ger, C., et	al. (January 199	0)
	AR	<u>60</u>							
33	_	<u> </u>						· · · · · · · · · · · · · · · · · · ·	
			NCBI Entrez	, GenBank Repo	ort, Accession No. X593	397, from Jord	lan, C.T., e	t al. (November	1991)
20 X	AS	<u>60</u>							
2						·			
NCBI Entrez, GenBank Report, Accession No. X59397, from Jordan, C.T., et al. (November 1991) NCBI Entrez, GenBank Report, Accession No. 711678A, from Shipolini, R.A., et al. (July 1992)								92)	
~	AT	60							
EXAMINER		.l	I				DATE (CONSIDERED	
	itial if refe	rence co	nsidered whe	ther or not citation	is in conformance with I	MPEP 609. Dr			t in conformance
and not conside	red. Inclu	ide copy	of this form wi	th next communic	ation to Applicant.				

285541_1.DOC

AIPE A		Page 27 of 62
	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
JUL 1 5 2004 말 FORM PTO-1449	FIRST NAMED INVENTOR Sebbel et al.	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648

TRAUE	<u>~</u>			U.S. PA	TENT DOCUMENTS	· 		
EXAMINER			IMENT			T	1	T
INITIAL	A A	NUME	ER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
1	AA		ľ			l		
	AB							
	AC							
	AD							
	AE							
	AF			<u> </u>				
	AG							
	АН	-						
	Al						·	
	AJ							
	AK							
				FOREIGN	PATENT DOCUMENTS			
EXAMINER INITIAL			UMENT IBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL	<u> </u>						Yes No
	AM							Yes No
	AN							Yes No
	AO							Yes No
	AP							Yes No
		,	OTHER (I	ncluding Auth	or, Title, Date, Pertinent F	Pages, etc.)	l	
PA	AR	<u>61</u>	NCBI Entrez	, GenBank Repor	t, Accession No. M27603, from	Orndorff, P.E.	, and Falkow, S.	(April 1993)
NCBI Entrez, GenBank Report, Accession No. M20706, from Nassal M. (April 1993) NCBI Entrez, GenBank Report, Accession No. M20706, from Nassal M. (April 1993) NCBI Entrez, GenBank Report, Accession No. AAA37400, from Reputer E. (July 1993)								
	AT	<u>61</u>	NCBI Entrez	, GenBank Repor	t, Accession No. AAA37490, fro			
EXAMINER						ľ	CONSIDERED	
EXAMINER: Initi and not considered	al if refer ed. Inclu	ence co de copy	nsidered, whet of this form wil	her or not citation th next communica	is in conformance with MPEP 609.	. Draw line thr	ough citation if no	t in conformance

CIPE		Page 28 of 62
() () () () () () () () () ()	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
JUL 1 5 2004 FORM PTO-1449	FIRST NAMED INVENTOR Sebbel et al.	
RIBST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648

A TRA	OFF			U.S. PA	ATENT DOCUMENTS					
EXAMINER INITIAL		DOCU	JMENT SER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA	110.00		DATE	TW STATE	10000	SOB-CLASS	TILING DATE		
·····	AB				-					
	AC						-			
	AD									
	AE									
	AF			,						
	AG									
	AH									
	Al									
	AJ	<u> </u>								
	AK	<u> </u>								
		ļ		FOREIGN	PATENT DOCUMEN	NTS	<u></u>			
EXAMINER INITIAL			UMENT MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL							Yes No		
	АМ							Yes No		
	AN							Yes No		
	AO							Yes No		
	AP		- 					Yes No		
	1	· ·	OTHER (I	ncluding Auth	nor, Title, Date, Perti	nent Pages, etc.				
<u> </u>	AR	<u>62</u>	NCBI Entrez	, GenBank Repo	rt, Accession No. M90520), from Kew, M.C., et	al. (August 1993))		
MARY E PRIMARY GROL				,						
Y E. MOSHER NAY EXAMINER NOUP 1800	AS	62	NCBI Entrez	, GenBank Repor	rt, Accession No. X00981	, from Klemm, P. (Se	eptember 1993)			
	AT	<u>62</u>	NCBI Entrez, 1993)	NCBI Entrez, GenBank Report, Accession No. VCBPQB, from Maita, T., and Konigsberg, W. (December 1993)						
EXAMINER							CONSIDERED			
EXAMINER: Init and not consider	ial if refer ed. Indu	rence co de copy	nsidered, wheth of this form with	her or not citation h next communica	is in conformance with MPI ation to Applicant.	EP 609. Draw line thr	ough citation if no	t in conformance		

OLEG		Page 29 of 62
4 5 2004 241	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
2 FORM P10-1449	FIRST NAMED INVENTOR Sebbel et al.	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE 8 TRADES STATEMENT	FILING DATE May 4, 2001	ART UNIT . 1648

				U.S.	PATENT DOCUMEN	TS		<u> </u>
EXAMINER INITIAL		DOCU	JMENT	DATE	NAME	CLASS	SUB CLASS	TEU INC DATE
INTIAL	AA	INCIVIL	<u>JEN</u>	DAIE	IAVINE	CLASS	SUB-CLASS	FILING DATE
	AB	 						
	AC	<u> </u>			_			<u> </u>
	AD	 		<u> </u>			<u> </u>	
	<u> </u>	ļ		<u> </u>				
	AE						•	
	AF ·							
	AG							
	AH	1						
	Al	 						
-	AJ	+-						
	AK	 		<u></u>				
	<u> </u>	<u> </u>		FORFIG	N PATENT DOCUM	ENTE		
EXAMINER			CUMENT					
INITIAL		NUN	MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes
	AL						_	No Yes
	AM	<u> </u>		_				No
	AN	_						Yes No
	AO_							Yes No
	AP							Yes No
		1	OTHER (Including Au	uthor, Title, Date, Per	rtinent Pages, et	c.)	
PAL	AR	<u>63</u>	NCBI Entre	z, GenBank Rej	port, Accession No. AAA1	6663, from Kozlovsi	ເa, T.M., et al. (Mar	ch 1994)
MARY E. MOSHER MARY EXAMINE GROUP 1800	AS	63	NCBI Entre	z, GenBank Re	port, Accession No. X025	14, from Yanisch-Pe	rron, C., et al. (May	/ 1994)
20	AT	<u>63</u>	NCBI Entre	z, GenBank Rej	port, Accession No. X852			
EXAMINER]	E CONSIDERED	
EXAMINER: Initial and not conside	tial if refer red. Indu	rence co ide copy	nsidered, whe	ther or not citation	on is in conformance with Maication to Applicant.	IPEP 609. Draw line	through citation if no	t in conformance

OPE		Page 30 of 62
	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
JUL 1 5 2004 발 FORM PTO-1449	FIRST NAMED INVENTOR Sebbel et al.	
STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648

& TRADE	<u> </u>			II S DA	TENT DOCUMENTS				
EXAMINER		DOCU	MENT	U.S. PA	HENT DOCUMENTS	T	1	T	
INITIAL		NUMB	ER !	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
- 	AA								
	AB								
	AC	<u> </u>				 			
	AD					†		1	
	AE				·	 	 	 	
	AF						1.		
	AG					-	+	+	
	AH			,		1	+	+	
	Al					 			
	AJ								
	AK								
		<u> </u>		FOREIGN	PATENT DOCUMENTS	<u> </u>			
EXAMINER	T		UMENT						
INITIAL	 	NUN	MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes	
	AL						1	No Yes	
	AM	_						No	
	AN	┷						Yes No	
	AO							Yes No	
	AP					<u> </u>		Yes No	
	т	т	OTHER (I	ncluding Auth	or, Title, Date, Pertinent i	Pages, etc.)	<u> </u>		
PRI PRI	AR	<u>64</u>	NCBI Entrez	, GenBank Repor	t, Accession No. X85259, from I	Lai, M.E., et al	l., (April 1995)		
MARY E. MOSHER PRIMARY EXAMINER GROUP 1890	AS	<u>64</u>	NCBI Entrez	NCBI Entrez, GenBank Report, Accession No. X85260, from Lai, M.E., et al. (April 1995)					
20 **	АТ	<u>64</u>	NCBI Entrez	, GenBank Repor	t, Accession No. X85272, from I	Lai, M.E., et a	/. (April 1995)		
EXAMINER	<u> </u>	J	_			DATE	CONSIDERED		

								Page 31 of 62	
SIPE	-VC/2				ATTY. DOCKET	NO.	APPLICATION NO		
/0	٠٠٠.	FORM P	TO-1449		1700.0180002/B. FIRST NAMED INV		09/848,616		
1 15	500%	2			Sebbel et al.				
7		STATE	FORMATIO	N DISCLOSURE	FILING DATE ART UNIT May 4, 2001 1648				
A TR	"CME			41.0.00					
EXAMINER	AU	DOCI	MENT	U.S. PA	TENT DOCUMEN	ITS			
INITIAL		NUME		DATE	NAME	CLAS	S SUB-CLASS	FILING DATE	
	AA					ļ			
	AB	-					+		
	AC	<u> </u>						_	
	AD	-							
	AE								
	AF	-							
	AG	<u> </u>							
	AH						-		
	Al								
	AJ	<u> </u>							
	AK	<u> </u>						-	
		<u> </u>		FOREIGN	PATENT DOCUM	IENTS			
EXAMINER		DOC	CUMENT	TORLION	TAILNI DOCOM	LIVIO	[<u> </u>	
INITIAL	<u> </u>	NUN	BER	DATE	COUNTRY	CLAS	SS SUB-CLASS		
	AL	Ì						Yes No	
	АМ							Yes No	
-	AN							Yes No	
	AO							Yes No	
	AP							Yes No	
	174	1	OTHER (Including Auth	or, Title, Date, Pe	ertinent Pages,	etc.)	140	
			NCBI Entre	z, GenBank Repor	t, Accession No. X852	275, from Lai, M.E.	, et al. (April 1995)		
	AR	<u>65</u>							
- 0					,				
		ļ							
罗夏圣			NCBI Entre	z, GenBank Repor	t, Accession No. X85	284, from Lai, M.E.	, et al. (April 1995)		
50 X	AS	<u>65</u>	}						
MARY EXAMINER GROUP 1800									
S S			NCBI Entre	z, GenBank Repor	t, Accession No. X85	285, from Lai. M.E.	, et al. (April 1995)		
	AT	<u>65</u>	NCBI Entrez, GenBank Report, Accession No. X85285, from Lai, M.E., et al. (April 1995)						
		-							
EXAMINER	<u> </u>	_ L				D	ATE CONSIDERED)	
EXAMINER: Init	ial if refe	rence co	nsidered, who	ether or not citation	s in conformance with	MPEP 609. Draw lin	ne through citation if n	ot in conformance	
and not consider	ed. Indu	ide copy	of this form w	vith next communica	tion to Applicant.				

		Page 32 of 62
O'BE SOL	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
FORM PTO-1449	FIRST NAMED INVENTOR Sebbel et al.	
FRST BUPPLEMENTAL INFORMATION DISCLOSURE	FILING DATE May 4, 2001	ART UNIT 1648
Co. CHR		

(A) F	U.S. PATENT DOCUMENTS									
	AU		40-4 17-	U.S. PA	TENT DOCUMENTS	т				
EXAMINER INITIAL		NUME	JMENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC					-				
	AD					1		†		
	AE						 			
	AF					 	 			
	AG							<u> </u>		
	AH							 		
-	Al						 			
	AJ					 		1		
	AK		-				1	-		
t		<u> </u>		FOREIGN	PATENT DOCUMENTS					
EXAMINER INITIAL			CUMENT MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
·	AL							Yes No		
	AM							Yes No		
	AN							Yes No		
	AO	1			·			Yes No		
	AP					+		Yes		
	1 71		OTHER (Including Auth	nor, Title, Date, Pertinent F	ages, etc.)		No No		
PRIM.	AR	NCBI Entrez, GenBank Report, Accession No. X85286, from Lai, M.E., et al. (April 1995)								
MARY E. MOSHER MARY EXAMINER GROUP 1890	AS	<u>66</u>	NCBI Entre	NCBI Entrez, GenBank Report, Accession No. X85287, from Lai, M.E., et al. (April 1995)						
	АТ	<u>66</u>	NCBI Entre	NCBI Entrez, GenBank Report, Accession No. X85291, from Lai, M.E., et al. (April 1995)						
EXAMINER					· -		CONSIDERED			
EXAMINER: Initial and not considered	al if refer ed. Inclu	ence co de copy	nsidered, whe	ther or not citation in the next communication in the communication in the communication in the citation in th	is in conformance with MPEP 609. ation to Applicant.	Draw line thro	ough citation if not	t in conformance		

O'SE OCI		Page 33 of 62
5 2004 E FORM PTO 1440	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
1 70/ 12 2 LOUME 10-1448	FIRST NAMED INVENTOR Sebbel et al.	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648

				U.S	. PATENT DOCUME	ENTS		
EXAMINER INITIAL		DOC	UMENT BER	DATE	NAME	CLASS	S SUB-CLAS	S FILING DATE
	AA	 					, , , , , , , , , , , , , , , , , , , ,	J TILING DATE
	AB	1						
	AC	+		 				
,	AD	+						
	AE	 		 				
	AF	-						
	AG	$+\!-\!\!\!-$		 				
	AH	 						
	AI	 		ļ				
	<u> </u>	 		ļ				
	AJ			ļ				
	AK		· · · · · · · · · · · · · · · · · · ·					
EXAMINER	-,	100	CUMENT	FOREI	IGN PATENT DOCU	MENTS		
INITIAL			MBER	DATE	COUNTRY	CLAS	S SUB-CLASS	TRANSLATION
	AL		<u>.</u>	,				Yes No
	AM	_ 						Yes No
	AN	T						Yes No
	AO			1				Yes
	AP	1						No Yes
			OTHER	Including A	Author, Title, Date, F	Pertinent Pages.	etc.)	No.
MARY PRIMAI GR	AR	67			eport, Accession No. X8			
IRY E. MOSHER MARY EXAMINER BROUP 1800	AS	67	NCBI Entre	z, GenBank R	eport, Accession No. X8	5295, from Lai, M.E.,	et al. (April 1995)	
	AT	<u>67</u>	NCBI Entre	z, GenBank Ro	eport, Accession No. X8	5296, from Lai, M.E.,	et al. (April 1995)	
EXAMINER	<u></u>	 -				DA	ATE CONSIDERE)
EXAMINER: Initiand not consider	tial if refer red. Inclu	rence copy	onsidered, who	ether or not citat	tion is in conformance with inication to Applicant.	h MPEP 609. Draw line	e through citation if r	iot in conformance

OIPE		Page 34 of 62
1 5 2004 岩 FORM PTO-1449	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
(200 %)	FIRST NAMED INVENTOR Sebbel et al.	
PRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648

EXAMINER		DOCL	MENT	U.G. F/	ATENT DOCUMENTS	T	T	
INITIAL	• •	NUME		DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA							
	AB							
	AC							
	AD		-					
	AE							
	AF	 						
	AG						,	
	AH					1		
	Al	<u> </u>						
	AJ	 					-	<u> </u> .
	AK							
		1		EODEIGN	PATENT DOCUMENTS		1	
EXAMINER	T	DOCUMENT		FUREIGN	PATENT DOCUMENTS	Ī	ΙΤ	
INITIAL	-	NUN	MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL							Yes No
	AM							Yes No
	AN							Yes No
	AO		····					Yes No
				1	-			Yes
	AP		OTHER (ncluding Auth	nor, Title, Date, Pertinent	Page ofc	<u> </u>	NoNo_
	<u> </u>	T						
70	AR	<u>68</u>	NCBI Entrez	z, GenBank Repo	rt, Accession No. X85297, from	Lai, M.E., et al	i. (April 1995)	
MARY E MOSHER PRIMARY EXAMINER GROUP 1890	AS	<u>68</u>	NCBI Entrez, GenBank Report, Accession No. X85298, from Lai, M.E., et al. (April 1995)					
•	AT	<u>68</u>	NCBI Entrez	, GenBank Repo	rt, Accession No. X85299, from			
EXAMINER						DATE	CONSIDERED	
EXAMINER: Initiand not considere	al if refer	rence co de copy	nsidered, whet of this form wil	her or not citation th next communica	is in conformance with MPEP 609 ation to Applicant.	. Draw line thr	ough citation if not	in conformance

OIPE		Page 35 of 62
	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
JUL 1 5 2004 B FORM PTO-1449	FIRST NAMED INVENTOR Sebbel et al.	
RST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648

Q TRAVE	<u> </u>			11 0	PATENT DOCUMEN	NTS				
EXAMINER		DOC	JMENT	0.5.	PAIENI DOCUMEN	113		Т	1	
INITIAL		NUME	BER	DATE	NAME	CL	ASS	SUB-CLASS	FILING DATE	
	AA									
	AB							1		
	AC			 :						
	AD						· · · · · · · · · · · · · · · · · · ·			
	AE	<u> </u>						 	-	
	AF							<u> </u>		
	AG						· · · · · · · · · · · · · · · · · · ·			
		ļ								
	AH									
	Al									
	AJ									
	AK					·				
				FOREIC	N PATENT DOCUM	MENTS				
EXAMINER INITIAL			UMENT MBER	DATE '	COUNTRY	c	LASS	SUB-CLASS	TRANSLATION	
	AL								Yes No	
	AM								Yes	
		+						1	No Yes	
	AN	-							No Yes	
	AO		. .						No Yes	
	AP		OTHER (Including A	uthor, Title, Date, Pe	ertinent Page	es etc l		No	
	Τ	Ţ <u> </u>	1							
	AR	<u>69</u>	NCBI Entrez	z, GenBank Re	port, Accession No. X85	301, from Lai, N	M.E., et al	. (April 1995)		
MARY E. MOSHER PRIMARY EXAMINER GROUP 1890	AS	<u>69</u>	NCBI Entrez	z, GenBank Re	port, Accession No. X85	i302, from Lai, N	M.E., et al	. (April 1995)		
	AT	<u>69</u>	NCBI Entrez	NCBI Entrez, GenBank Report, Accession No. X85303, from Lai, M.E., et al. (April 1995)						
EXAMINER							DATE	CONSIDERED		
EXAMINER: Initiand not consider	ial if refered	rence co	nsidered, whe	ther or not citati	on is in conformance with nication to Applicant.	MPEP 609. Dra	w line thro	ough citation if no	t in conformance	

285541_1.DOC

CIPE		Page 36 of 62
01. 2.67	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
JUL 1 5 2004 🗒 FORM PTO-1449	FIRST NAMED INVENTOR Sebbel et al.	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648

3 TRADE								
				U.S. P.	ATENT DOCUMENTS			
EXAMINER			JMENT		1	1	1	
INITIAL		NUME	3ER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA				1		ļ	
	AD	ļ			\			
•	AB						4	*
	AC							
	, , ,		1				1	
	AD	,					1	
	AE	Ì						
	A ==	ļ			 			<u> </u>
	AF							
	AG				· · · · · · · · · · · · · · · · · · ·			
	70		1			İ		
	AH				1			
	ΑĬ							
	AJ							
	AIZ							
İ	AK					ŀ	1	. 1
	Ĺ. <u></u> .	<u>. </u>	L	FOREIGN	PATENT DOCUMENTS			
EXAMINER	Т	TDO	CUMENT	FOREIGN	PATENT DOCUMENTS	1	1	
INITIAL			MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
11111111	 	- 110.	MDCI V	TORIC -		02.00	000 00.00	Yes
	AL	ł		•				No.
	1			1				Yes
	AM							No
		-		Ì			ļ	Yes
	AN			<u> </u>				No
	١؞؞							Yes
<u></u>	AO	+-		 		_		No Yes
	AP	l'				1		No
	1 / 14		OTHER (I	ncluding Aut	hor, Title, Date, Pertinent	Pages, etc.)		
		1	T		100, 1100, 200, 1 01000	. ugoo, oto.,	',	
			NCBI Entrez	, GenBank Repo	irt, Accession No. X85305, from	Lai, M.E., et a	I. (April 1995)	
	AR	<u>70</u>					•	
		1.0						
70								
99 MA 98 MA	 -	. 	 	18118 11			 .	· · · · · · · · · · · · · · · · · · ·
985	İ		NCBI Entrez	GenBank Repo	ort, Accession No. X85307, from	niaiMFe <i>ta</i>	/ (April 1995)	
PO A P				,	, , , , , , , , , , , , , , , , , , , ,	,	(
בווים	AS	<u>70</u>		a.				
8 ₹\$								
RY E. MOSH ARY EXAMII ROUP 1800								
IRY E. MOSHER MARY EXAMINER BROUP 1890		-	 					
5 5~			NCBI Entrez	. GenBank Repo	ert, Accession No. X85311, from	Lai. M.E., et a	l. (April 1995)	
				•	,		(
	AT	70						
							,	
EXAMINER	ــــــــــــــــــــــــــــــــــــــ	J				TOATE	CONCIDENT	
LAMININER						DATE	CONSIDERED	
EXAMINER: Init	ial if refe	rence co	onsidered, whet	ther or not citation	is in conformance with MPEP 60	9. Draw line thr	ough citation if no	t in conformance
and not consider	ed. Inclu	de copy	of this form wif	th next communic	ation to Applicant.			

285541_1.DOC

OIPE		Page 37 of 6
√ √ √ √ √ √ √ √ √ √	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
JUL 1 5 2004 필 FORM PTO-1449	FIRST NAMED INVENTOR	
177	Sebbel et al.	
LEIRST SUPPLEMENTAL INFORMATION DISCLOSURE	FILING DATE	ART UNIT
STATEMENT	May 4, 2001	1648

TRADE	MARK.	SIAIL	-MEN I		May 4, 2001		48	
Innu				U.S.	PATENT DOCUMENT	S		
EXAMINER INITIAL	AA	DOCL	JMENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AB	ļ						
	AC	 						
·	AD							
	AE	 		 				
	AF							
	AG	-			· · · · · · · · · · · · · · · · · · ·		<u> </u>	
	AH	-						
	Al	<u> </u>		-				
	AJ	ļ.		:	-			
	AK							<u> </u>
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			FOREIG	 3N PATENT DOCUME	NTC		1
EXAMINER DOCUMENT							0110 01 400	
INITIAL	- 	NUN	MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Ye
117	AL							N. Ye
	AM							Ye
	AN	+						Ye
	AO						:	Ne
	AP		OTHER	(including A	uthor, Title, Date, Per	inent Pages, etc.)	N.
PAIL	AR	71	NCBI Entr	ez, GenBank Re	eport, Accession No. X8531	4, from Lai, M.E., et a	ıl. (April 1995)	
MAY E. MOSHER IMARY EXAMINER GROUP 1800	NCBI Entrez, GenBank Report, Accession No. X85315, from Lai, M.E., et al. (April 1995) AS 71							
20	AT	71	NCBI Entr	rez, GenBank Re	eport, Accession No. X8531	6, from Lai, M.E., et a	ol. (April 1995)	
EXAMINER		<u> </u>	1			DATE	CONSIDERED	· · · · · · · · · · · · · · · · · · ·
					ion is in conformance with M	DED 000 D I'm 45		

OIPE		Page 38 of 62
	ATTY, DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
JUL 1 5 2004 بير FORM PTO-1449	FIRST NAMED INVENTOR	
\2	Sebbel et al.	
PARST SUPPLEMENTAL INFORMATION DISCLOSURE	FILING DATE	ART UNIT
STATEMENT	May 4, 2001	1648

TABLE				U.S	. PATENT DOCUM	ENTS					
EXAMINER			UMENT	Ĭ				Т	1		
INITIAL	AA	NUM	BER	DATE	NAME		CLASS	SUB-CLASS	FILING DATE		
	AB	—									
		<u> </u>						<u> </u>			
	AC]									
	AD										
	AE										
	AF		···· ,					†			
	AG							†			
	AH							 	 		
	Al	 		+							
	AJ	 						 			
	AK	+		 				-			
 				FORE	IGN PATENT DOCU	JMENTS		1			
EXAMINER			CUMENT								
INITIAL	+	NUI	MBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION Yes		
	AL	+							No Yes		
	AM	 							No		
	AN	 	<u>,,,, </u>						Yes No		
	AO								Yes No		
	AP								Yes No		
	1	Τ	OTHER	(Including A	Author, Title, Date, I	Pertinent Pag	ges, etc.)				
100	AR	72	NCBI Entre	₃z, GenBank Ro	eport, Accession No. X8	85317, from Lai,	, M.E., et al	. (April 1995)	·		
MARY E. MOSHER RIMARY EXAMINER GROUP 1800	AS	72	NCBI Entre	NCBI Entrez, GenBank Report, Accession No. X85319, from Lai, M.E., et al. (April 1995)							
NER NER	АТ	72	NCBI Entre	CBI Entrez, GenBank Report, Accession No. X80925, from Karayiannis, P. (December 1995)							
EXAMINER			.1				DATE	CONSIDERED			
EXAMINER: Initi	ial if refer ed. Inclu	ence co	onsidered, who	ether or not cital	tion is in conformance wit	th MPEP 609. D	raw line thro	ough citation if no	t in conformance		

OIPEUC		Page 39 of 62
2004	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
JUL 1 5 2004 B FORM PTO-1449 PRST SUPPLEMENTAL INFORMATION DISCLOSURE	FIRST NAMED INVENTOR Sebbel et al.	
STATEMENT STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648

				U.S	. PATENT DOCUMENT	rs	,	
EXAMINER INITIAL		DOC	UMENT IBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						1	Trento Bitte
	AB	1						1
	AC	1					 	1
	AD	+					+	+
	AE	+						
	AF	-						-
	AG	+						
	AH	+						
	Al	-						-
	AJ	-		<u> </u>				
	AK	—		ļ				
			·	FOREI	GN PATENT DOCUME	ENTO		
EXAMINER			CUMENT				<u> </u>	
INITIAL	- -	NUI	MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes
	AL	_		 				No Yes
	AM	+						No Yes
	AN							No Yes
	AO	+						No Yes
	AP		OTHER	(Including A	Author, Title, Date, Per	41-ant Bases ata		No No
	1	7						
	AR	73	NCBI Entre	z, Genbank K	eport, Accession No. AAC5	0341, from Yao, Z., et	al. (January 1990	6)
٠								
		†	NODI Entre	- CoaRoals D				
URY E. MOSHER MARY EXAMINER GROUP 1800	46	72	NCBI Entre	Z, Genbank K	eport, Accession No. X7270)2, from Preisier-Adam	s, S., et al. (Febi	uary 1996)
PEXA	AS	73						
る豪芸		 	<u> </u>	. <u> </u>				
33 ~			NCBI Entre	z, GenBank Re	eport, Accession No. VCBP	R7, from Weber, K., et	al. (April 1996)	
	AT	<u>73</u>						
EXAMINER		<u>.i.</u>				DATE	CONSIDERED	
EXAMINER: In	itial if refe	rence co	onsidered, whe	ther or not cital	tion is in conformance with Mi	PEP 609. Draw line thro	ough citation if no	in conformance
and not conside	rea. Incit	ide copy	OI THIS TORM W	nth next commu	inication to Applicant.			

CIPE C		Page 40 of 62
	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
JUL 1 5 2004 필 FORM PTO-1449	FIRST NAMED INVENTOR	
	Sebbel et al.	
TEIRST SUPPLEMENTAL INFORMATION DISCLOSURE	FILING DATE	ART UNIT
STATEMENT	May 4, 2001	1648
a THAUS		

				U.S. PA	ATENT DOCUMENTS						
EXAMINER INITIAL		DOCU	JMENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE			
	AA			·							
	AB										
	AC							· · · · · · · · · · · · · · · · · · ·			
	AD							-			
	AE										
	AF		-	_ =							
	AG										
	AH	ļ ——									
	Al			.							
	AJ	<u> </u>						<u> </u>			
	AK										
		L		FOREIGN	PATENT DOCUMENTS	<u> </u>	1.	1			
EXAMINER INITIAL			UMENT MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION			
	AL	1.0.	<u> </u>	DATE.	COOMIN	CLAGO	COD-CLASS	Yes			
		<u> </u>						No Yes			
	AM	1	·					No Yes			
	AN							No Yes			
	AO							No Yes			
	<u> </u> AP	<u> </u>	OTHER (I	ncluding Auth	<u> </u>	Pages, etc.)	<u> </u>	No			
PR	AR	<u>74</u>	NCBI Entrez	, GenBank Repor	t, Accession No. 1604193A, from	n Gomez, F.,	et al. (October 1	996)			
ARY E. MOSHER MARY EXAMINER GROUP 1800	AS	74	NCBI Entrez	ICBI Entrez, GenBank Report, Accession No. B56338, from Hoffman, D.R. (May 1997)							
	АТ	74	NCBI Entrez	, GenBank Repoi	rt, Accession No. U95551, from I	Rao, B.S., et a	al. (June 1997)				
EXAMINER			·			DATE	CONSIDERED				

SIPE		Page 41 of 62
(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
JUL 1 5 2004 👸 FORM PTO-1449	FIRST NAMED INVENTOR Sebbel et al.	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648

& TRADEN											
EVALUED I		1000	10 45 15 T	U.S. PA	ATENT DOCUMENTS						
EXAMINER INITIAL		NUME	JMENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE			
	AA			- 							
	AB										
	AC										
,	AD										
	AE										
	AF										
	AG										
	АН			-							
	Al										
	AJ										
	AK			<u> </u>							
· · · · · · · · · · · · · · · · · · ·				FOREIGN	PATENT DOCUMENTS	<u> </u>	<u> </u>				
EXAMINER INITIAL			UMENT MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION			
	AL							Yes No			
_	АМ						·	Yes No			
	AN							Yes No			
	AO							Yes No			
	AP		_					Yes No			
		,	OTHER (I	ncluding Auth	or, Title, Date, Pertinent P	ages, etc.)					
PR-8	AR	<u>75</u>	NCBI Entrez	NCBI Entrez, GenBank Report, Accession No. S14764, from Vandermeers, A., et al. (October 1997)							
MARY E. MOSHER PRIMARY EXAMINER GROUP 1800	AS	<u>75</u>	NCBI Entrez	NCBI Entrez, GenBank Report, Accession No. P03611, from Weber, K., et al. (November 1997)							
NER	AT	<u>75</u>	NCBI Entrez	NCBI Entrez, GenBank Report, Accession No. AAC14699, from Beekwilder, M.J., et al. (April 1998)							
EXAMINER	<u> </u>	ı				DATE (ONSIDERED				

OPE	,	Page 42 of 62
0	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
NIL 1 5 2004 EDRM PTO-1449 RIRST SUPPLEMENTAL INFORMATION DISCLOSURE	FIRST NAMED INVENTOR Sebbel et al.	
RIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648

· ATR		•		U.S. P	ATENT DOCUMENTS						
EXAMINER INITIAL		DOCU	JMENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE			
	AA										
	AB										
	AC										
	AD										
	AE										
	AF										
	AG							-			
	АН						 				
	Al										
	AJ						<u> </u>				
	AK										
		<u>. </u>		FOREIGN	PATENT DOCUMENTS	L	<u> </u>	<u> </u>			
EXAMINER INITIAL			CUMENT UBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION			
	AL							Yes No			
	АМ			·				Yes No			
	AN							Yes No			
	AO							Yes No			
	AP							Yes No			
	<u> </u>		OTHER (ncluding Aut	nor, Title, Date, Pertinent F	ages, etc.)					
	AR	<u>76</u>	NCBI Entrez	, GenBank Repo	rt, Accession No. AAC14704, fro	m Beekwilder,	M.J., et al. (Apr	il 1998)			
MARY E. MOSHER PRIMARY EXAMINER GROUP 1800	AS	<u>76</u>	NCBI Entrez	NCBI Entrez, GenBank Report, Accession No. AF043593, from Gunther, S., et al. (May 1998)							
	АТ	<u>76</u>	NCBI Entrez	NCBI Entrez, GenBank Report, Accession No. 1POC, from Scott, D.L., et al. (September 1998)							
EXAMINER							CONSIDERED				
EXAMINER: Init and not consider	ial if refer ed. Indu	ence co de copy	nsidered, whet of this form wi	ther or not citation th next communic	is In conformance with MPEP 609. ation to Applicant.	Draw line thro	ough citation if no	in conformance			

PEver			
\(\sigma\)		P	Page 43 of 62
1 111 1 5 2004	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616	
\ FORM PTO-1449	FIRST NAMED INVENTOR		
No.	Sebbel et al.		
FIRST SURREMENTAL INFORMATION DISCLOSURE	FILING DATE	ART UNIT	
STATEMENT	May 4 2001	1648	

				U.S. PA	ATENT DOCUMENTS				
EXAMINER			JMENT	DATE	NAME	CLASS	CLUB CLASS	EII INO DATE	
INITIAL	AA	NUME	JEK	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AB						ļ		
	AC								
·	AD								
	AE				1				
	AF						 		
	AG	 							
	AH								
	Al	ļ							
	AJ								
	AK		-				<u> </u>	<u> </u>	
		<u> </u>				<u> </u>	<u> </u>		
EXAMINER	· i	1000	CUMENT	FOREIGN	PATENT DOCUMENTS				
INITIAL		NUN	ABER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AL							Yes No	
	AM							Yes No	
	AN							Yes	
	AO			1				No Yes	
						-		No Yes	
	AP		OTHER (Including Auth	nor, Title, Date, Pertinent F	Pages etc.)		No	
<u>.</u>	Г	1	1				·		
P	AR	<u>77</u>	NCBI Entre	z, GenBank Repoi	t, Accession No. CAA30374, fro	m Inokuchi, Y.	, et al. (February	/ 1999) _	
MARY PRIMA GR		+-	-						
Y E. MOSHER ARY EXAMINER ROUP 1890	AS	77	NCBI Entre	NCBI Entrez, GenBank Report, Accession No. X02496, from Bichko, V., et al. (April 1999)					
20	AT	77	NCBI Entrez, GenBank Report, Accession No. MFIV62, from Cox, N.J., et al. (July 1999)						
EXAMINER	·	J	1			DATE	CONSIDERED		

·						· - - <u></u>		- 44 - 400
O\PE	004 55 E		TO-1449		ATTY. DOCKET NO 1700.0180002/BJD/ FIRST NAMED INVEN Sebbel et al.	/SJE	APPLICATION NO. 09/848,616	Page 44 of 62
	<u>LEMEN</u>			N DISCLOSURE	FILING DATE		ART UNIT	
FIRST SUPP	TRAIL	STATE	MENT		May 4, 2001		1648	
			** 45 417	U.S. PA	ATENT DOCUMENTS	S		,
EXAMINER INITIAL		NUMB	JMENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA							
	AB							
<u>-</u>	AC	-					_	
	AD							
	AE				 			
	AF							
	AG							
	AH							
	Al			+	 			
	AJ	ļ		 				<u> </u>
	AK	-			 			-
		<u> </u>		FOREIGN	 PATENT DOCUME	NTS		
EXAMINER			CUMENT			CLASS	S SUB-CLASS	TRANSI ATION
INITIAL	+	NON	MBER	DATE	COUNTRY	CLASC	> SOB-CLASS	Yes
	AL	+						No Yes
	AM	+						No Yes
	AN	+						No Yes
	AO	+						No Yes
	AP	ـــلــــ						No
		·	OTHER	(Including Autl	hor, Title, Date, Pert	tinent Pages, e	tc.)	
-G	AR	<u>78</u>	NCBI Entre	ez, GenBank Repo	ort, Accession No. VCBPF	FR, from Wittmann	-Liebold, B., et al. (July 1999)
MARY E. MOSHER PRIMARY EXAMINE GROUP 1800	AS	<u>78</u>	NCBI Entre	az, GenBank Repo	ort, Accession No. A5905	5, from Hoffman, C	J.R., and Schmidt, J	J.O. (August 1999)
NEW THE			NCBI Entre	ez, GenBank Repo	ort, Accession No. B5905	5, from Hoffman, D	D.R., and Schmidt,	J.O. (August 1999)

EXAMINER DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<u>78</u>

OIPE		Page 45 of 62
(8)	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
JUL 1 5 2004 EFORM PTO-1449	FIRST NAMED INVENTOR	
\@ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Sebbel et al.	
RIRST SUPPLEMENTAL INFORMATION DISCLOSURE	FILING DATE	ART UNIT
STATEMENT	May 4, 2001	1648
THAUC		

	<u> </u>							
CVALUED		10001	INSENT I	U.S. PA	ATENT DOCUMENTS	-	1	
EXAMINER INITIAL		NUME	JMENT	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
HALLINE	AA	INCIVIL	-	DAIL	IVAINE	10253	305-05-33	FILING DATE
						<u> </u>		
	AB							
	AC							
	AD							
	AE							
	AF							
	AG			-1-811				
_	АН	ļ						
	Al							
	AJ			· · · · · · · · · · · · · · · · · · ·				
	AK					<u> </u>		
5774441415D		1000	21 12 45 12	FOREIGN	PATENT DOCUMENTS		······································	
EXAMINER INITIAL	-		CUMENT MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
								Yes
	AL			-				No
	AM	1						Yes No
	1,,,,,,	- 				_		Yes
	AN							No
	AO				ļ		 	Yes
	HAU-	+					<u> </u>	No Yes
	AP							No
		,	OTHER (including Auth	nor, Title, Date, Pertinent I	Pages, etc.)		
M PR	AR	<u>79</u>	NCBI Entrez	z, GenBank Repor	rt, Accession No. AF051814, from	m Boyd, E.F.,	and Hartl, D.L. (September 1999)
ARY E. MOSHER MARY EXAMINER GROUP 1800	AS	79	NCBI Entrez	z, GenBank Repor	rt, Accession No. AF110999, from	m Chang, S.F	, et al. (October	1999)
NER	AT	<u>79</u>	NCBI Entrez	z, GenBank Repor	rt, Accession No. AB033559, fro.	m Okamoto, F	I., et al. (October	1999)
EXAMINER	·					DATE	CONSIDERED	

.05		Page 46 of 62
OT CO	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
1 5 7004 BORM PTO-1449	FIRST NAMED INVENTOR	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE	Sebbel et al.	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE	FILING DATE	ART UNIT
STATEMENT	May 4, 2001	1648
CA> CAN		

SAZ TRA	DEMI	·			ATEUT DOOUBLE					
				U.S. F	PATENT DOCUMENT	<u> </u>				
EXAMINER INITIAL		NUME	JMENT REP	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
INTIAL	AA	INCIVIE	DEIX.	DAIL	INVIVIC	CDASS	308-01733	TILING DATE		
	AB				-		 	<u> </u>		
	AC									
								<u> </u>		
	AD _									
	AE									
	AF									
	AG							<u> </u>		
	AH									
	Al			· · · · · · · · · · · · · · · · · · ·						
	AJ							<u> </u>		
	AK	 	·					 		
		l		FOREIG	N PATENT DOCUME	ENTS				
EXAMINER INITIAL			CUMENT MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL							Yes No		
	АМ		·					Yes No		
,	AN							Yes		
-								No Yes		
	AO			 				No Yes		
	AP	<u> </u>	OTHER (Including Au	thor, Title, Date, Per	tinent Pages, etc.	<u> </u> 	No		
	AR	<u>80</u>	NCBI Entre	z, GenBank Rep	ort, Accession No. AB01	0289, from Koseki, T.,	et al. (December	1999)		
	^ \	80								
P S S S	ļ	-								
GP ARY			NCBI Entre	z, GenBank Rep	ort, Accession No. AJ132	2364, from Graupner,	S., <i>et al</i> . (April 20	00)		
53°	AS	80								
VRY E. MOSH WARY EXAMII GROUP 1800										
8 ₹ ₹	<u> </u>									
ARY E. MOSHER MARY EXAMINER GROUP 1800			NCBI Entre	z, GenBank Rep	ort, Accession No. AF23	7482, from Johnson, J	.R., et al. (May 20	000)		
	AT	80	Ì					-		
	' ' '	30								
EXAMINER			<u></u>			la:==	0010155555			
	-19-7-			M-10-10-10-10-10-10-10-10-10-10-10-10-10-	· , · · · · · · · · · · · · · · · · · ·	i	CONSIDERED			
and not consider	al it refer ed. Inclu	ence co de copy	nsidered, whe of this form w	iner or not citation ith next communication	n is in conformance with M cation to Applicant.	PEP 609. Draw line the	ough citation if no	t in conformance		

OPEN		Page 47 of 62
0	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
IUL 1 5 2004 발 FORM PTO-1449	FIRST NAMED INVENTOR Sebbel et al.	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648
A TRADES	TENT DOGUMENTO	

S. A. INKY				U.S. PA	TENT DOCUMENTS			
EXAMINER INITIAL		DOCU		DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA							
	AB							
	AC							
	ĄD							
	AE							
	AF							
	AG					<u> </u>		
	АН					ļ .		-
	Al							
	AJ							
	AK							
		L		FOREIGN	PATENT DOCUMENTS			<u> </u>
EXAMINER			UMENT					
INITIAL		NUM	IBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes
	AL	-		•				No Yes
	AM	-		· ·				No Yes
	AN		<u>.</u>					No Yes
	AO	-						No Yes
	AP							No
	1	1"	OTHER (In	ncluding Auth	or, Title, Date, Pertinent	Pages, etc	.)	
	AR _.	<u>81</u>	NCBI Entrez,	GenBank Report	I, Accession No. M32138, from	Tong, S.P.,	et al. (July 2000)	
MARY E. MOSHER PRIMARY EXAMINER GROUP 1890	AS	<u>81</u>	NCBI Entrez,	GenBank Report	I, Accession No. AF229646, fro	m Skerker, .	.M., and Shapiro,	L. (August 2000)
HER	AT	<u>81</u>	NCBI Entrez,	GenBank Report	t, Accession No. M95589, from	Shi, H., et a	/. (January 2001)	
EXAMINER	-					DATI	CONSIDERED	

SIPE VC		Page 48 of 62
\	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
JUL 1 5 2004 EORM PTO-1449	FIRST NAMED INVENTOR Sebbel et al.	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648

-	AUC							
		r = = =:		U.S. P.	ATENT DOCUMENTS			
EXAMINER INITIAL		DOCL NUME	JMENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA							
	AB							
	AC							
·-	AD	,		··· -				
	AE							
	AF	<u> </u>						
,	AG			· · · · · · · · · · · · · · · · · · ·				
	AH							
	Al			·				
	AJ	ļ						
	AK							
,	L	<u> </u>		FOREIGN	I PATENT DOCUMENTS		1	<u> </u>
EXAMINER		DOG	CUMENT	PORLIGI	TATENT DOCUMENTS		1	
INITIAL			/BER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL		1					Yes No
	AM							Yes No
	AN							Yes No
	1							Yes
	AO							No Yes
	AP		A-11-5-4					No
	1	1	OTHER (Including Aut	hor, Title, Date, Pertinent	Pages, etc.		_
774	AR	82	NCBI Entrez	z, GenBank Repo	rt, Accession No. VCBPM2, fro	m Min Jou, W.,	et al. (January 2	001)
- A A		 						·
ARY E MOSHEI MARY EXAMINI GROUP 1800	AS	82	NCBI Entrez	z, GenBank Repo	rt, Accession No. AF323080, fn	om Steppan, C	.M., <i>et al</i> . (Janua	ry 2001)
m x	AT	82	NCBI Entrez, GenBank Report, Accession No. AF323081, from Steppan, C.M., et al. (January 2001)					
EXAMINER							CONSIDERED	
EXAMINER: Init and not consider	ial if refered.	rence co	nsidered, whe	ther or not citation ith next communic	is in conformance with MPEP 60 ation to Applicant.	9. Draw line thr	ough citation if no	in conformance

OIPE RO		Page 49 of 62
4 5 2004 E	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
1. 6/	FIRST NAMED INVENTOR Sebbel et al.	
FIRST SUPREMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648

				IIS PA	ATENT DOCUMENTS					
EXAMINER		DOCL	IMENT	U.G. FA	TENT DOODINENTS		1	1		
INITIAL		NUMB	ER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA							-		
	AB									
	AC									
	AD									
-	AE									
	AF									
	AG									
	AH							,		
	Al									
	AJ									
	AK							,		
EXAMINER	т	I DOC	UMENT	FOREIGN	PATENT DOCUMENTS					
INITIAL	ļ		MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes		
	AL							No		
	AM							Yes No		
	AN					ľ		Yes No		
	AO							Yes No		
	AP			, , ,				Yes No		
			OTHER (I	ncluding Autl	nor, Title, Date, Pertinent I	ages, etc.)				
PRINIA PRINIA GRI	AR	83	NCBI Entrez	, GenBank Repo	rt, Accession No. U14003, from I	Plunket, G., III	, et al. (January	2001)		
RY E. MOSHER NARY EXAMINER ROUP 1800	AS	<u>83</u>	NCBI Entrez	, GenBank Repo	rt, Accession No. AF121239, from	m Hannoun, C	c., et al. (Februar	y 2001)		
ER P	AT	83	NCBI Entrez	CBI Entrez, GenBank Report, Accession No. AF121240, from Hannoun, C., et al. (February 2001)						
EXAMINER	1	<u> </u>				DATE	CONSIDERED			

								Page 50 of 62
OPE	3	7			ATTY, DOCKET 1700.0180002/B	JD/SJE	APPLICATION NO. 09/848,616	
1 , 4 5	500p	EORM P	TO-1449		FIRST NAMED INV	/ENTOR		
FRSTATIPP	EMEN	τΑΙ INI	FORMATIO	N DISCLOSURE	FILING DATE		ART UNIT	
ENT & T	- 20	STATE	MENT		May 4, 2001		1648	
- CWT& T	RADER			11.0.04	TENT DOCUMEN	ITC		
EXAMINER			MENT	U.S. PA	TENT DOCUMEN	113		
INITIAL		NUME		DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA							<u> </u>
	AB				i.			
	AC	 						
	AD							
	AE							
	AF							
	AG							
	AH							
	Al							
	ĀJ							
	AK							
		<u> </u>		FOREIGN	PATENT DOCUM	IENTS		<u> </u>
EXAMINER	T	DOC	UMENT	1	1			
INITIAL		NUN	IBER	DATE	COUNTRY	CLAS	S SUB-CLASS	TRANSLATION
	AL	,				·		Yes No
	12-							Yes
	AM							No
	0.01				1	1		Yes
	AN	+				·		No Yes
	AO							No
								Yes
	AP ·		OTHER	Including Auth	or, Title, Date, Pe	ertinent Pages e	tc)	No
P	AR	84			t, Accession No. AF1		•	ry 2001)
MARY E. MOSHER PRIMARY EXAMINER GROUP 1800	AS	84	NCBI Entre	z, GenBank Repor	t, Accession No. X59	795, from Lai, M.E.,	et al. (March 2001)	
	AT	84	NCBI Entre	z, GenBank Repo	t, Accession No. X65			, "
EXAMINER						IDA	TE CONSIDERED	

OIPE JO		Page 51 of 62
5 7014 💆	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
JUL 1 3 FORM PTO-1449	FIRST NAMEO INVENTOR Sebbel et al.	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648

				U.S.	PATENT DOCUMEN	ITS			
EXAMINER INITIAL		DOCU	JMENT BER	DATE	NAME	CLA	ASS	SUB-CLASS	FILING DATE
	AA	1						002 02 100	112.113 51112
	AB			-				 	1
	AC	-							
	AD	<u> </u>							
	AE	ļ							
	AF								
	AG								
	AH								
	Al						•		
	AJ	1						-	
	AK	1							
	. <u>. </u>	.l		FOREIG	N PATENT DOCUM	ENTS		<u> </u>	·
EXAMINER INITIAL			CUMENT MBER	DATE	COUNTRY	CL	ASS	SUB-CLASS	TRANSLATION
	AL								Yes No
	AM								Yes No
									Yes
	AN								No Yes
	AO						***		No Yes
	AP		OTHER	 (Including Au	 ithor, Title, Date, Pe	rtinent Page	s. etc.)		No
PA PA	AR	85			port, Accession No. X652			(March 2001)	
MARY E. MOSHER PRIMARY EXAMINER GROUP 1800	AS	<u>85</u>	NCBI Entre	z, GenBank Rej	port, Accession No. AF15	51735, from Ger	ner, P., e	et al. (April 2001)
NER	AT	<u>85</u>	NCBI Entre	CBI Entrez, GenBank Report, Accession No. AJ000636, from Gousset, N., et al. (November 2001)					
EXAMINER	- <u>-</u>			•			DATE	CONSIDERED	
EXAMINER: In and not conside	itial if refe red. Indu	rence co	onsidered, who	ether or not citation	on is in conformance with I ication to Applicant.	MPEP 609. Draw	v line thro	ugh citation if no	t in conformance

OIPE OF		Page 52 of 62
III 1 5 2004 🗒 FORM PTO-1449	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
101 101 101 101 101 101 101 101 101 101	FIRST NAMED INVENTOR Sebbel et al.	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE	ART UNIT
STATEMENT	May 4, 2001	1648

				U.S. P	PATENT DOCUMENTS	\$		
EXAMINER INITIAL		DOC	UMENT	DATE	NAME	CLASS	S SUB-CLAS	SS FILING DATE
114111111111111111111111111111111111111	AA	1,,,,,,,	<u>DEI</u>	<i>D7</i> 2	TVAINE.		3 000-00	33 TIENCO DATE
	AB	 						
	AC	-						
	AD	 						
	<u> </u>	<u> </u>						
	AE							
	AF				,		T	
	AG							
 	АН	<u> </u>						
	Al	+						
	AJ	+			-			
	AK	 			 			
	<u></u>	<u> </u>						
EXAMINER		T DO	CUMENT	FUKEIGN	N PATENT DOCUME	NTS		
INITIAL			MBER	DATE	COUNTRY	CLAS	S SUB-CLAS	S TRANSLATION
	AL							Yes No
	AM							Yes No
	AN							Yes No
	AO							Yes
		+-						No Yes
	AP_		OTHER (I	Including Aut	hor, Title, Date, Perti	inent Pages. (etc)	No
PRIMARY E. GROUI	AR	86			ort, Accession No. AAB59			uary 2002)
/ E. MOSHER RY EXAMINER OUP 1800	AS	86	NCBI Entrez	, GenBank Repo	ort, Accession No. AAC06	250, from Beekw	rilder, M.J., et al. (I	vlarch 2002)
	AT	86	NCBI Entrez	; GenBank Repo	ort, Accession No. L09137	', from Yanisch-P	Perron, C., et al. (M	lay 2002)
EXAMINER		<u> </u>				DA	ATE CONSIDERE	:D

OE .		Page 53 of 62
(A) College	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
1 5 700k CORM PTO-1449	FIRST NAMED INVENTOR Sebbel et al.	
#IRST/SUPPLEMENTAL INFORMATION DISCLOSURE	FILING DATE May 4, 2001	ART UNIT 1648
A. Car Of M.		

TAT B TI	TOE MIL	_							
				U.S. PA	TENT DOCUMENTS				
EXAMINER INITIAL		DOCU	MENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
	AB			· ·					
	AC								
	AD								
	AE								
	AF			<u></u>					
	AG							 	
	АН								
	Al							<u> </u>	
	AJ			<u> </u>					
	AK							•	
				FOREICN	DATENT DOCUMENTS]	<u> </u>	<u> </u>	
EXAMINER		1000	UMENT	FOREIGN	PATENT DOCUMENTS				
INITIAL		NUN	MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AL)·						Yes No	
	АМ							Yes No	
	AN							Yes No	
	AO							Yes No	
	AP							Yes No	
		· · · · · ·	OTHER (I	ncluding Auth	or, Title, Date, Pertinent P	ages, etc.)			
PA	AR	<u>87</u>	NCBI Entrez	, GenBank Repor	t, Accession No. O09006, from h	fromas, R., et	al. (June 2002)		
ARY E, MOSHER MARY EXAMINER GROUP 1800	AS	<u>87</u>	NCBI Entrez	, GenBank Report	I, Accession No. P40224, from N	lagasawa, T.,	et al. (June 200	2)	
NER	AT	<u>87</u>	NCBI Entrez	CBI Entrez, GenBank Report, Accession No. P34884, from Bernhagen, J., et al. (June 2002)					
EXAMINER		l	<u> </u>			DATE	ONSIDERED		
EXAMINER: Initiand not considered	al if refere	ence co de copy	nsidered, wheth	ner or not citation is h next communicat	s in conformance with MPEP 609. tion to Applicant,	Draw line thro	igh citation if not	in conformance	

OIPE O		Page 54 of 62
onni wi	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
JUL 1 5 2004 EFORM PTO-1449	FIRST NAMED INVENTOR Sebbel et al.	
PRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648

				U.S.	PATENT DOCUMEN	NTS		
EXAMINER INITIAL		DOCU	JMENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						000 00.00	1,12,110,07,112
	AB							
	AC	 		<u> </u>				
	AD	<u> </u>						
	AE	ļ						
	AF	ļ						
		ļ						
	AG							
	AH							
	Al							
	AJ							
	AK							
				FORE	GN PATENT DOCUM	MENTS		
EXAMINER INITIAL			OUMENT MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL			·				Yes No
	АМ							Yes No
	AN							Yes No
	—	1						Yes
	AO	-	<u> </u>					No Yes
	AP	j	OTHER	(including A	uthor, Title, Date, P	ertinent Pages, etc	1	NoNo_
PRI	AR	88	NCBI Entre	ez, GenBank Ro	eport, Accession No. P06	821, from Winter, G., e	al. (June 2002)	
MARY E. MOSHER MARY EXAMINER GROUP 1800	AS	88	NCBI Entre	ez, GenBank Ro	eport, Accession No. P30	904, from Sakal, M., et	al. (June 2002)	
WER SER	АТ	88	NCBI Entre	ez, GenBank Ro	eport, Accession No. NP_	_040754, from Inokuchi,	Y., et al. (June 2	003)
EXAMINER	•	.			· · · · · · · · · · · · · · · · · · ·	DATE	CONSIDERED	
EXAMINER: Init	ial if refe	rence co	nsidered, wh	ether or not citat	ion is in conformance with nication to Applicant.	MPEP 609. Draw line th	rough citation if no	t in conformance
Lavio not consider	ca. mal	are cupy	OF UTIO TOTAL	and Hear Colling	повион то другивати.			

PEC		Page 55 of 62
1 5 1004 E FORM PTO-1449	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
1 701 13	FIRST NAMED INVENTOR Sebbel et al.	
FIRST SUPREMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648
18 IKAO		

STREET STATES	<u> </u>	STATEMENT		May 4, 2001		548	
	····		U.S	PATENT DOCUMENT	S		
EXAMINER INITIAL	AA	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AB					 	<u>.</u>
	AC						
	AD						
······································		,					
	AE		· ·				
	AG						
	AH						
	Al						
	AJ						
	AK						·
			FOREI	GN PATENT DOCUME	NTS		
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes
	AL	_					No.
	AM						Yes No
	AN						Yes No
***********	AO						Yes No
	AP_						Yes No
		OTHE	R (Including A	uthor, Title, Date, Pert	inent Pages, etc.		
PRINCE	AR	89 NCBI E	ntrez, GenBank R	eport, Accession No. NP_06	1354, from Ishikawa,	S., et al. (Septem	iber 2003)
RY E. MOSHE NARY EXAMIN BROUP 1800	AS	NCBI E	ntrez, GenBank R	eport, Accession No. NP_03	1804, from Lenda, D.	M., et al. (Septen	nber 2003)
	AT	NCBI E	ntrez, GenBank R	eport, Accession No. NP_00	6410, from Luther, S.	A., et al. (Septem	ber 2003)
EXAMINER		11			DATE	CONSIDERED	
					1		

PE JONG		Page 56 of 62
· nou zil	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
10 JUL 1 2 FORM P10-1449	FIRST NAMED INVENTOR Sebbel et al.	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648

			 	U.S.	PATENT DOCUMEN	TS		
EXAMINER INITIAL		DOC	UMENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA					,		
	AB							
	AC							-
	AD	 		 				
	AE	 			· ·			
	AF	-						
	AG						 	
	AH	-					-	
	Al							
	AJ	 						
	AK	1						
,		ŀ		FOREI	GN PATENT DOCUM	ENTS		
EXAMINER			CUMENT					
INITIAL		NUI	MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL							Yes No
	АМ							Yes No
	AN							Yes No
	AO							Yes No
	AP				3,74			Yes
	1	<u> </u>	OTHER	(Including A	uthor, Title, Date, Pe	rtinent Pages, etc.)		No
MARY PRIMA GR	AR	20	NCBI Entr	ez, GenBank Ro	eport, Accession No. NP_0	000748, from Yao, G.Q.	, et al. (Septemb	er 2003)
ARY E. MOSHER MARY EXAMINER GROUP 1800	AS	90	NCBI Entr	ez, GenBank Ro	eport, Accession No. P030	69, from Hinnebusch, A	.G., et al. (Septe	ember 2003)
NER NER	AT	90	NCBI Entr	ez, GenBank Ro	eport, Accession No. O005	585, from Hromas, R., e	t al. (September	2003)
EXAMINER	!	4	<u> </u>			DATE	CONSIDERED	
EXAMINER: Initial	tial if refe	rence co	onsidered, wh	nether or not citat	tion is in conformance with M inication to Applicant.	MPEP 609. Draw line thro	ough citation if not	in conformance

PEJCIO		Page 57 of 62
(O, ")	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
S 2004 FORM PTO-1449	FIRST NAMED INVENTOR	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE	Sebbel et al.	
	FILING DATE	ART UNIT
STATEMENT STATEMENT	May 4, 2001	1648
ENT . TRE		

CAT & THE								
				U.S. P	ATENT DOCUMENTS			
EXAMINER INITIAL		DOCU	IMENT SER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA							
	AB							
	AC							
	AD							
-	AE							
	AF			,				
	AG							
	AH							
	Al							
	AJ							
	AK						-	
i		<u> </u>		FORFIGN	I PATENT DOCUMENTS			
EXAMINER	T	DOC	UMENT	TORLIGI	TAILNI DOCUMENTS		T I	
INITIAL	-		BER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes
	AL							No
	АМ							Yes No
	AN							Yes No
	AO							Yes No
-	AP							Yes No
	·	,	OTHER (Including Aut	hor, Title, Date, Pertinent	Pages, etc.		
28IN 6	AR	<u>91</u>	NCBI Entre	z, GenBank Repo	ort, Accession No. P14174, from	Welser, W.Y.,	et al. (Septembe	er 2003)
MARY EXAMINER GROUP 1800	AS	21	NCBI Entre	z, GenBank Repo	ort, Accession No. P48061, from	Spotila, L.D.,	et al. (September	2003)
E A	AT	91	NCBI Entre	z, GenBank Repo	ort, Accession No. P80003, from	Vandermeers	A., et al. (Septe	mber 2003)
EXAMINER	<u> </u>	1				DATE	CONSIDERED	· · · · · · · · · · · · · · · · · · ·

REW		
		Page 58 of 62
15 2004	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616
()UL FORM PTO-1449	FIRST NAMED INVENTOR	
\ <u>\</u>	Sebbel et al.	
FIRST SURPLEMENTAL INFORMATION DISCLOSURE	FILING DATE	ART UNIT
STATEMENT STATEMENT	May 4, 2001	1648

			•	U.S. PA	ATENT DOCUMENTS			
EXAMINER	Į.	DOC	UMENT		1]	7	1
INITIAL	AA	NUM	IBER I	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
						<u> </u>		
	AB							
	AC							
	AD							
	AE							
	AF							
	AG							
	AH							
	Al							
	AJ							
	AK							
		100		FOREIGN	PATENT DOCUMENTS			
EXAMINER INITIAL			CUMENT IMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL							Yes No
	AM							Yes No
	AN							Yes No
	AO							Yes No
	AP							Yes No
		l	OTHER (II	ncluding Auth	nor, Title, Date, Pertinent F	Pages, etc.)		110
70	AR	92			ouse, Primary Accession No. O3			October 2001
MARY E. MOSHER RIMARY EXAMINER GROUP 1800	AS	92	Swiss-Prot/Tr	rEMBL, TN11_Hu	uman, Primary Accession No. O	14788, entered	d in Swiss-Prot i	n October 2001
ER R	·AT	92	Copy of co-po PUBLISHED	ending U.S. appli)	ication 10/622,087, inventors Ba	chmann et al.,	, filed July 18, 20	103 (NOT
EXAMINER	_!	1				DATE (CONSIDERED	

PE JOIN			Page 59 of 62
mile ii	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616	
1 1 1 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FIRST NAMED INVENTOR Sebbel et al.		
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648	

200	<u> </u>				·			
				U.S. P/	ATENT DOCUMENTS			
EXAMINER INITIAL		DOCU	JMENT SER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA							
	AB							
	AC							
	AD				· · · · · · · · · · · · · · · · · · ·			
	AE							
	AF					-		
	AG							
	АН							
	Al							
	AJ							
	AK						- 	
		1	L	FOREIGN	PATENT DOCUMENTS			_ -
EXAMINER INITIAL			CUMENT MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
INTIAL	AL	110.	NOLIV	IDAIL	COONTAI	OLAGO	305-01733	Yes
	AM	-						No Yes
	AN							No Yes
	AO	1						No Yes No
	AP							Yes No
	101		OTHER (I	nciudina Auti	nor, Title, Date, Pertinent I	Pages, etc.)	l	140
MARY PRIMAI GR	AR	93		ending U.S. App	lication No. 10/733,582, inventor		., filed Decembe	r 12, 2003 (NOT
Y E. MOSHER RY EXAMINER JOUP 1890	AS	93	Jegerlehner, induction of p	A., et al., "A mol protective B cell I	ecular assembly system that reresponses," Vaccine 20:3104-31	nders antigens 12, Elsevier S	of choice highly cience, Ltd. (Aug	repetitive for ust 2002)
_	AT	93			ct, PMID: 2205968, Diallo, A., et 23:155-163 (1990)	al., "Morbillivi	rus group: genor	ne organization
EXAMINER	·				· · · · · · · · · · · · · · · · · · ·	DATE	CONSIDERED	

(F)			
(0\Y = 30)		Page	60 of 62
JUL 1 5 70대 발 BORM PTO-1449	ATTY, DOCKET NO. 1700.0180002/BJD/SJE FIRST NAMED INVENTOR Sebbel et al.	APPLICATION NO. 09/848,616	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE	FILING DATE	ART UNIT	
STATEMENT	May 4, 2001	1648	

				U.S. PA	TENT DOCUMENTS			
EXAMINER			MENT			CLASS	SUB-CLASS	FILING DATE
INITIAL	AA	NUME	SER I	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AB					 		
		<u> </u>						
	AC							
	AD			·				•
	AE							
	AF							
	AG			· · · · · · · · · · · · · · · · · · ·				
-	АН							
	Al							
	AJ .				•			
	AK							
	L			FOREIGN	PATENT DOCUMENTS	1		
EXAMINER INITIAL			UMENT MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	1	11011	NOLIX.			102.00	000 00 100	Yes
	AL							No_ Yes
_	AM		-			ļ		. No
	AN							Yes No
	AO							Yes No
								Yes
·	AP		OTHER (In	 ncluding Auth	 or, Title, Date, Pertinent F	Pages, etc.	<u> </u>	No
Pa≈	AR	94			o. 1994-111516, Derwent WPI E			R 2695563
MARY E. MOSHER MARY EXAMINER GROUP 1800	AS	<u>94</u>	International	Search Report fo	or International Application No. P	CT/IB02/0010	68 mailed on Nov	vember 4, 2002
<u> </u>	AT	<u>94</u>	International	Search Report fo	or International Application No. P	CT/IB02/0010	66 mailed on Oct	ober 29, 2002
EXAMINER		•	<u> </u>			DATE	CONSIDERED	

				61PE C				Page 61 of 62
1 / 💙	VC135	FORM F	PTO-1449	. 5 2004 6	ATTY. DOCKET N 1700.0180002/BJ	D/SJE	APPLICATION NO 09/848,616	
FIRST SUPP	LEMEN	ITAL IN	FORMATIO	N DISCLOSTIBE	Sebbel et al.		ART UNIT	
100	- <u>*</u>	STATE	EMENT	W DISCLOSURE	May 4, 2001		1648	
EXAMINER TR	ADEIN				TENT DOCUMEN	TS		
INITIAL		NUME	JMENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						!	
	AB							
	AC							
	AD							
	AE							
	AF							
	AG							
	AH						·-	
	Al	 						
	AJ							
	AK		2					
	<u> </u>	<u> </u>		FOREIGN	PATENT DOCUM	ENTS	<u> </u>	
EXAMINER	1		CUMENT	DATE			SUB OLASO	TDANIOLATION
INITIAL	1	NON	MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes
	AL	-						No Yes
	AM							No Yes
	AN	1						No Yes
	AO		· · · · · · · · · · · · · · · · · · ·		 			No Yes
	AP		OTHER	 (Including Auth	_ nor, Title, Date, Pe	rtinent Pages, et	tc.)	No
PR.	AR	<u>95</u>			or International Applica			ary 31, 2003
ARY E. MOSHER MARY EXAMINER GROUP 1800	AS	<u>95</u>		fice Action mailed avember 30, 1999.	June 6, 2001, for Unite	d States Patent App	lication No. 09/449	.631, Renner <i>et</i>
E B	AT	95		fice Action mailed I November 30, 199	February 27, 2002, for 9.	United States Paten	t Application No. 09	9/449,631, Renner
EXAMINER			.			DA	TE CONSIDERED	
EXAMINER: Initiand not consider	tial if refe	rence co	onsidered, who	ether or not citation with next communication	is in conformance with M	MPEP 609. Draw line	through citation if no	ot in conformance

PEVC			Page 62 of 62
5 7004 EHORM PTO-1449	ATTY. DOCKET NO. 1700.0180002/BJD/SJE	APPLICATION NO. 09/848,616	
/ Mr / 2 2	FIRST NAMED INVENTOR Sebbel et al.		
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE May 4, 2001	ART UNIT 1648	

U.S. PATENT DOCUMENTS									
EXAMINER INITIAL		DOCU	JMENT	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA	140,41	JEK .	DAIL	IVAIVIL	0000	30B-CLASS	FILING DATE	
	AB		-						
	AC					,			
	AD	<u> </u>							
	AE			,					
	AF			· 	<u> </u>				
	AG	<u> </u>							
	AH	<u> </u>						<u> </u>	
	Al	<u> </u>	-				-		
	AJ	<u> </u>					•		
	AK	-					-	 -	
FOREIGN PATENT DOCUMENTS									
EXAMINER			CUMENT				[
INITIAL	 	NUI	MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes	
	AL	1						No Yes	
	AM	-		<u> </u>				No Yes	
	AN	-						No Yes	
	AO	_						No	
<u> </u>	AP						·	Yes No	
988	т	T	OTHER (Including Auti	nor, Title, Date, Pertine	nt Pages, etc.)	<u> </u>		
MARY E. MOSHER RIMARY EXAMINER GROUP 1800	AR	<u>96</u>	Copy of Offi Renner et al	ce Action mailed I., filed November	November 14, 2002, for Unit 30, 1999.	ted States Patent /	Application No. 0	9/449,631,	
ER R	AS	96	Copy of Office Action mailed March 1, 2004, for United States Patent Application No. 10/050,902, Renner et al., filed January 18, 2002.						
	AT							·	
EXAMINER							DATE CONSIDERED		
EXAMINER: Initiand not consider	EXAMINER: Initial If reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.								